



DONAUER

SOLUÇÕES
ENERGÉTICAS
RENOVÁVEIS

PRICE LIST PHOTOVOLTAIC

February / 2022

S-Energy - JA Solar - Suntech - Victron

Photovoltaic Solar Panels

| Item No. | Article | Unit | Price |
|----------------------------|--|------|--------------|
| Photovoltaic panels | | | |
| ModP0019 | Solar Panel PV 20W, 12V | Un | 207,01 € |
| ModP0025 | Solar Panel PV 50W, 12V | Un | 250,51 € |
| ModP0026 | Solar Panel PV 100W, 12V | Un | 294,02 € |
| ModP0027 | Solar Panel PV 150W, 12V | Un | 337,52 € |
| ModM0044 | S-Energy SC20-60MBC-320M Black-Black (currently unavailable) | Un | sob consulta |
| ModM0054 | JASOLAR JAM66S10-345MR STOCK | Un | sob consulta |
| ModM0058 | JASOLAR JAM72S10-415MR | Un | sob consulta |
| ModM0052 | S-Energy SL45-72MAI-450L 450W (currently unavailable) | Un | sob consulta |
| ModM0046 | JASOLAR JAM72S20-450MR | Un | sob consulta |
| ModM0057 | JASOLAR JAM72S20-455MR | Un | sob consulta |
| ModM0050 | JASOLAR JAM72S20-460MR STOCK | Un | sob consulta |
| ModM0049 | JASOLAR JAM72S30-535MR | Un | sob consulta |
| ModM0053 | JASOLAR JAM72S30-540 MR STOCK | Un | sob consulta |
| ModM0059 | JASOLAR JAM72S30-545 MR STOCK | Un | sob consulta |

Electric Vehicle Chargers



| Item No. | Article | Unit | Price |
|--|---|---------------|------------|
| APS Inverters, 10 year warranty | | | |
| NEW | | | |
| CVE0001 | SMA EV Charger 22 (EVC22-3AC-10) cabo 5 m | Un | 1 845,30 € |
| CVE0002 | SMA EV Charger 7.4 (EVC 7.4-1AC-10) cabo 5 m | Un | 1 492,24 € |
| | CABLE ALSO AVAILABLE IN 10 and 15 METRES LENGTHS | NEW | |
| CVE0005 | Growatt THOR 03-AS-S | NEW Un | 486,86 € |
| CVE0006 | Growatt THOR 07-AS-P | NEW Un | 621,00 € |
| CVE0007 | Growatt THOR 11-AS-P | NEW Un | 931,50 € |
| CVE0008 | Growatt THOR 22-AS-P | NEW Un | 1 000,50 € |
| CVE0009 | Growatt RFID CARD | NEW Un | 6,43 € |
| CVE0010 | Growatt AC MOUNTING POLE | NEW Un | 79,86 € |
| CVE0011 | Growatt AC TYPE2-TYPE 2,1 *32A, 5mts | NEW Un | 130,00 € |
| CVE0012 | Growatt AC TYPE2-TYPE 2,3 *32A, 5mts | NEW Un | 130,00 € |
| CVE0013 | KOSTAL Wallbox ENECTOR AC 3.7/11 (not yet approved for Portugal) | NEW Un | 725,41 € |
| INVM0168 | KOSTAL Chave Software Smart Energy Meter (ENECTOR) (without discount) | NEW Un | 227,84 € |

APsystems Micro-inverters



| Item No. | Article | Unit | Price |
|---|--|---------------|----------|
| APS microinverters, guarantee: 2 years basic, up to 10 years with ECU and registration | | | |
| INVL0174 | APS Microinversor YC 1000-3, inversor trifásico 230/400V AC-50Hz 60/72 células (EOL) | Un | 367,71 € |
| INVL0362 | APS Microinversor Quad Micro QS1, monofásico, 4 entradas, 1400W (EOL) | Un | 367,71 € |
| INVL0363 | APS Microinversor DS3L, monofásico 730VA | NEW Un | 220,63 € |
| INVL0364 | APS Microinversor DS3, monofásico 880VA | NEW Un | 228,99 € |

APsystems Other Products and Accessories

- Monitoring
- Connection cables and plugs
- Energy Management
- Caps

| Item No. | Article | Unit | Price |
|----------|---|---------------|----------|
| INVA0100 | APS Y3 AC bus end cap para YC600(Y)/DS3 e QS1, AC Bus End Cap, allows the AC bus cable terminal to be made waterproof | Un | 12,40 € |
| INVA0155 | APS Trunk Cable, cabo 2m para YC600(Y)/DS3 e QS1 (2,5mm2) | Un | 13,96 € |
| INVA0156 | APS Y3 AC bus end cap para YC600(Y)/DS3 e QS1, allows the AC bus cable terminal to be made waterproof | Un | 13,96 € |
| INVA0157 | APS Y2 AC Bus Y-CONN Cap para YC600(Y)/DS3 e QS1, protection of unused AC terminals | Un | 7,59 € |
| INVA0165 | APS DC extension cable - 2 mts, | Un | 7,08 € |
| INVA0105 | APS YC1000-3 AC Bus Trunk Cable, cabo 2 mts | Un | 24,32 € |
| INVA0115 | APS YC1000-3 AC BUS End Cap, allows the AC bus cable terminal to be made waterproof | Un | 13,87 € |
| INVA0091 | APS YC1000 AC Bus T-CONN Cap, protection of unused AC terminals | Un | 7,35 € |
| INVM0160 | APsystems ECU-B ZigBee, Monitoring of production up to 4 panels | NEW Un | 58,50 € |
| INVM0013 | APS ECU-R ZigBee (wifi), para YC1000-3, YC600(Y)/DS3 e QS1, data collection and individual monitoring of wireless panels and inverters, real time communication. Ideal for residential use. | Un | 202,24 € |
| INVM0039 | APS ECU-C Zigbee, Unidade de Comunicação (Zigbee) para YC1000-3, YC600 e QS1 (wifi integrado). Includes two antennas and network cable. IT's separately. | Un | 300,86 € |
| INVM0144 | APS ECU-4 PLC (wifi), data collection and individual monitoring of panels and inverters, wireless, real time communication, 230V AC-50Hz (PLC) for YC500 (integrated Wi-Fi) | Un | 250,71 € |
| INVM0014 | APS CT 80A open - up to 18 kW (single-phase) and up to 54 kW (three-phase). Consumption and production metering with ECU-C | Un | 11,14 € |
| INVM0015 | APS CT 200A up to 46 kW (single-phase) and 136 kW (three-phase). Consumption and production metering with ECU-C | Un | 22,29 € |



HUAWEI Optimisers

| Item No. | Article | Unit | Price |
|--------------------------------------|--------------------------------|------|---------|
| Huawei optimizers, 25 years warranty | | | |
| Opt0008 | Huawei OPTIMIZER SUN2000P-450W | Un | 46,00 € |

HUAWEI Residencial FusionHome 4-in-1

2/3/3.68/4/4.6/5/6KTL Single Phase

| Item No. | Article | Unit | Price |
|---|---|------|------------|
| Huawei hybrid solar inverters, 10 year warranty | | | |
| INVS0055 | Huawei SUN2000-2KTL-L1 , 2000 W, single-phase hybrid, 2MPPT, IP65 | Un | 682,56 € |
| INVS0056 | Huawei SUN2000-3KTL-L1 , 3000 W, single-phase hybrid, 2MPPT, IP65 | Un | 805,12 € |
| INVS0057 | Huawei SUN2000-3.6KTL-L1 , 3600 W, single-phase hybrid, 2MPPT, IP65 | Un | 938,11 € |
| INVS0058 | Huawei SUN2000-4KTL-L1 , 4000 W, single-phase hybrid, 2MPPT, IP65 | Un | 949,79 € |
| INVS0059 | Huawei SUN2000-4.6KTL-L1 , 4600 W, single-phase hybrid, 2MPPT, IP65 | Un | 1 045,90 € |
| INVS0060 | Huawei SUN2000-5KTL-L1 , 5000 W, single-phase hybrid, 2MPPT, IP65 | Un | 1 067,25 € |
| INVS0061 | Huawei SUN2000-6KTL-L1 , 6000 W, single-phase hybrid, 2MPPT, IP65 | Un | 1 225,52 € |

compatible with LG Chem Resu HV / Huawei LUNA 2000

HUAWEI Residencial FusionHome 4-in-1

3/4/5/6/8/10 KTL-M1 Three-Phase 2 MPPT

| Item No. | Article | Unit | Price Un. |
|--|--|------|------------|
| Huawei three-phase grid-tied solar inverters, 10 year warranty | | | |
| INVS0062 | Huawei SUN2000-3KTL-M1 , 2000 W, three-phase, 2 MPPT, IP65 | Un | 1 099,79 € |
| INVS0063 | Huawei SUN2000-4KTL-M1 , 4000 W, three-phase, 2MPPT, IP65 | Un | 1 142,78 € |
| INVS0064 | Huawei SUN2000-5KTL-M1 , 5000 W, three-phase, 2MPPT, IP65 | Un | 1 215,04 € |
| INVS0065 | Huawei SUN2000-6KTL-M1 , 6000 W, three-phase, 2MPPT, IP65 | Un | 1 356,64 € |
| INVS0066 | Huawei SUN2000-8KTL-M1 , 8000 W, three-phase, 2MPPT, IP65 | Un | 1 608,53 € |
| INVS0067 | Huawei SUN2000-10KTL-M1 ,10000 W, three-phase, 2MPPT, IP65 | Un | 1 807,74 € |

compatible with Huawei LUNA 2000

HUAWEI Comercial Fusion 2 MPPT

| Item No. | Article | Unit | Price Un. |
|--|--|------|------------|
| Huawei grid-tied solar inverters, 10 year warranty | | | |
| INVL0267 | Huawei SUN2000-17KTL-M0, 17000 W, 3 MPPT (EOL) | Un | 1 900,00 € |
| Huawei grid-tied solar inverters, 10 year warranty | | | |
| INVL0321 | Huawei SUN2000-12KTL-M2 , 12000 W, 2MPPT | Un | 1 915,01 € |
| INVL0322 | Huawei SUN2000-15KTL-M2 , 15000 W, 2MPPT | Un | 2 161,91 € |
| INVL0323 | Huawei SUN2000-17KTL-M2, 17000 W, 3 MPPT | Un | 2 204,53 € |
| INVL0324 | Huawei SUN2000-20KTL-M2, 20000 W, 3 MPPT | Un | 2 329,09 € |

HUAWEI Industrial and projects from 4 to 10 MPPT

| Item No. | Article | Unit | Price Un. |
|----------|--------------------------|------|--------------|
| INVL0297 | Huawei SUN2000-30KTL-M3 | Un | 2 693,52 € |
| INVL0298 | Huawei SUN2000-36KTL-M3 | Un | 2 997,76 € |
| INVL0299 | Huawei SUN2000-40KTL-M3 | Un | 3 231,91 € |
| INVL0057 | Huawei SUN2000-60KTL-M0 | Un | 3 902,50 € |
| INVL0276 | Huawei SUN2000-100KTL-M1 | Un | upon request |
| | Huawei SUN2000-185KTL-H1 | Un | upon request |
| | Huawei SUN2000-215KTL-H0 | Un | upon request |

Request special prices for projects

HUAWEI Accessories & Monitoring

| Item No. | Article | Unit | Price Un. |
|------------------------------|--|------|-----------|
| Accessories Huawei inverters | | | |
| INVM0001 | Huawei SmartLogger3000A01EU - Communication module (basic warranty 2 years) | Un | 571,36 € |
| INVM0146 | Huawei Smart Dongle-WLAN | Un | 62,43 € |
| INVM0147 | Huawei Smart Dongle-4G | Un | 143,67 € |
| INVM0148 | Huawei Smart Power Sensor DDSU666-H Single phase (basic warranty18 months) | Un | 100,09 € |
| INVM0149 | Huawei Smart Power Sensor DDSU666-H Three-phase (basic warranty18 months) | Un | 166,27 € |
| INVM0150 | Huawei Safety Box SmartPSB2000L-2 (basic warranty2 years) | Un | 37,79 € |
| INVM0151 | JANITZA- UMG 103-CBM - Power analyzer, DIN rail application, modbus RTU/Rs485, 4 tariffs, 4 MB memory, Huawei compatible | Un | 402,50 € |



SMA Optimisers

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| SMA TS4R Optimizers, 25 year warranty (requires registration) | | | |
| OpT0005 | SMA CloudConnectedAdvanced Kit, for outdoor use, incl. CloudConnectedAdvanced , Gateway and DIN rail power supply | Un | 326,11 € |

SMA Storage Inverters

| Item No. | Article | Unit | Price Un. |
|--|---|------|------------|
| SMA Inverters, 5 years warranty 10 years with registration | | | |
| INVS0008 | SMA Sunny Boy Storage 2.5, inverter para baterias litio HV, 2,5KW , W-LAN, Webconnect | Un | 1 271,98 € |
| INVS0013 | SMA Sunny Boy Storage 3.7, inverter para baterias litio HV, 3,7KW, W-LAN, Webconnect | Un | 2 028,29 € |
| INVS0014 | SMA Sunny Boy Storage 5.0, inverter para baterias litio HV, 5,0KW, W-LAN, Webconnect | Un | 2 303,32 € |
| INVS0015 | SMA Sunny Boy Storage 6.0, inverter para baterias litio HV, 6,0KW, W-LAN, Webconnect | Un | 2 571,46 € |

SMA Hybrid Inverters

| Item No. | Article | Unit | Price Un. |
|--|--|--------|------------|
| SMA Inverters, 5 years warranty 10 years with registration | | | |
| INVS0113 | SMA Sunny Tripower Smart Energy 5.0 FROM APRIL-MAY 22 | NEW Un | 2 475,20 € |
| INVS0114 | SMA Sunny Tripower Smart Energy 6.0 FROM APRIL-MAY 22 | NEW Un | 2 660,84 € |
| INVS0115 | SMA Sunny Tripower Smart Energy 8.0 FROM APRIL-MAY 22 | NEW Un | 3 032,13 € |
| INVS0116 | SMA Sunny Tripower Smart Energy 10.0 FROM APRIL-MAY 22 | NEW Un | 3 403,41 € |

Compatible with PYLONTECH US-C

SMA Sunny Boy Inverters

| Item No. | Article | Unit | Price Un. |
|------------------------------------|--|------|------------|
| SMA Inversores, 5 años de garantía | | | |
| INVL0016 | SMA Sunny Boy 1.5-1VL-40, 1500 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 742,56 € |
| INVL0064 | SMA Sunny Boy 2.0-1VL-40, 2000 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 873,20 € |
| INVL0017 | SMA Sunny Boy 2.5-1VL-40, 2500 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 996,96 € |
| INVL0222 | SMA Sunny Boy 3.0-1AV-41, 3000 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 1 113,84 € |
| INVL0223 | SMA Sunny Boy 3.6-1AV-41, 3600 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 1 182,60 € |
| INVL0224 | SMA Sunny Boy 4.0-1AV-41, 4000 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 1 244,48 € |
| INVL0225 | SMA Sunny Boy 5.0-1AV-41, 5000 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 1 333,86 € |
| INVL0126 | SMA Sunny Boy 6.0-1AV-41, 6000 W, c/ WLAN and Speedwire/ Webconnect interface, without display | Un | 1 471,37 € |

SMA Tripower 3-12kW Inverters

| Item No. | Article | Unit | Price Un. |
|--------------------------------|--|------|------------|
| SMA Inverters, 3-year warranty | | | |
| INVL0216 | SMA Sunny Tripower 3.0-3AV-40 3000 W, c/Web-Connect, W-Lan, without Display, RS485, TS4-Comun. | Un | 1 395,74 € |
| INVL0217 | SMA Sunny Tripower 4.0-3AV-40 4000 W, c/Web-Connect, W-Lan, without Display, RS485, TS4-Comun. | Un | 1 498,87 € |
| INVL0218 | SMA Sunny Tripower 5.0-3AV-40 5000 W, c/Web-Connect, W-Lan, without Display, RS485, TS4-Comun. | Un | 1 602,01 € |
| INVL0226 | SMA Sunny Tripower 6.0-3AV-40 6000 W, c/Web-Connect, W-Lan, without Display, RS485, TS4-Comun. | Un | 1 787,65 € |
| INVL0220 | SMA Sunny Tripower 8.0-3AV-40 8000 W, c/Web-Connect, W-Lan, without Display, RS485, TS4-Comun. | Un | 2 145,18 € |
| INVL0221 | SMA Sunny Tripower 10.0-3AV-40 10000 W, c/Web-Connect, W-Lan, without Display, RS485, TS4-Comun. | Un | 2 413,32 € |

SMA Tripower TL-30 Inverters

| Item No. | Article | Unit | Price Un. |
|--------------------------------|--|------|------------|
| SMA Inverters, 5-year warranty | | | |
| INVL0084 | SMA Sunny Tripower 15000 TL-30, 15000 W, three-phase grid inverter, w/o transf, w/ interface Speedwire/Webconnect, with display | Un | 3 087,13 € |
| INVL0085 | SMA Sunny Tripower 15000 TL-30, 15000 W, three-phase grid inverter, w/o transf, w/ interface Speedwire/Webconnect, without display | Un | 2 997,75 € |
| INVL0020 | SMA Sunny Tripower 20000 TL-30, 20000 W, three-phase grid inverter, w/o transf, w/ interface Speedwire/Webconnect, with display | Un | 3 320,90 € |
| INVL0163 | SMA Sunny Tripower 20000 TL-30, 20000 W, three-phase grid inverter, w/o transf, w/ interface Speedwire/Webconnect, without display | Un | 3 231,52 € |
| INVL0018 | SMA Sunny Tripower 25000 TL-30, 25000 W, inverter de rede trifásico, s/ transf, c/ interface Speedwire/Webconnect, com display | Un | 3 362,15 € |
| INVL0164 | SMA Sunny Tripower 25000 TL-30, 25000 W, three-phase grid inverter, w/o transf, w/ interface Speedwire/Webconnect, without display | Un | 3 279,65 € |

SMA Commercial/Industrial CORE Inverters

| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| SMA Inverters, 5 years warranty; Accessories 2 years warranty | | | |
| INVL0274 | SMA Sunny Tripower CORE2, 100kW grid inverter, three-phase, transformerless, 12 Mppt independent, 24 Strings, switch corte DC integrated. Ethernet e WLAN. SMA Shadefix included. | Un | 6 394,28 € |
| INVL0108 | SMA Sunny Tripower CORE1, grid inverter 50000 W, 3 phase, transformerless, 6 Mppt independent, 12 DC inputs, switch corte DC integrated., Ethernet e WLAN | Un | 5 610,46 € |
| INVA0001 | SMA overvoltage protection type II AC SPD_KIT1-10, for STP50-40 | Un | 38,60 € |
| INVA0002 | SMA overvoltage protection DC type II SPD_KIT4-10, for STP50-40 | Un | 73,86 € |
| INVA0146 | SMA overvoltage protection type I + II AC_SPD_KIT2-T1T2, for STP50-40 | Un | 57,83 € |
| INVA0147 | SMA DC overvoltage protection type I + II DC_SPD_KIT5-T1T2, for STP50-40 | Un | 132,39 € |
| INVA0148 | SMA UMS_KIT-10 Universal Mounting System, for wall, floor and pole installation | Un | 160,27 € |
| INVA0004 | SMA MD_SEN40 Sensor interface as retrofit kit for STP 50-40 (Sunny Tripower CORE1) | Un | 151,90 € |
| INVA0006 | SMA EXTANT-40 Outdoor Retrofit Antenna Kit | Un | 51,56 € |
| INVA0007 | SMA I/O interface as retrofit kit for STP 50-40 (Sunny Tripower CORE1) MD.IO-40 | Un | 121,70 € |
| INVA0009 | SMA RS485 as retrofit for SMA STP 50-40 (Sunny Tripower CORE1) MD.485-40 | Un | 127,89 € |

SMA Commercial/Industrial Inverters SPH



| Item No. | Article | | Unit | Price Un. |
|--|---|-----|------|------------|
| SMA Inverters, 5 years warranty; Accessories 2 years warranty | | | | |
| INVL0273 | SMA SUNNY HIGHPOWER PEAK1 (SHP150-20), 150000W / 150000 VA max. AC-, 600Vac, 3-phase, without transfer, w/ display, w/ Ethernet interface, integrated DC (Type II) and AC (Type II+III) protection. | NEW | Un | 8 525,70 € |
| INVL0272 | SMA SUNNY HIGHPOWER PEAK1 (SHP100-20), 100000W / 100000 VA max. AC-, 600Vac, 3 phase, w/o transfer, w/ display, w/ Ethernet interface, integrated DC (Type II) and AC (Type II+III) protection | | Un | 8 525,70 € |
| INVA0166 | SMA PV-SW-Box-1500 - PV Switchbox to enable inverters with external combiners PV Combiner Box 1500Vdc, 325A | | Un | 529,42 € |
| INVA0167 | SMA SHP-CONN-Plate-2 -Connection plate for 2 combiners | | Un | 43,32 € |
| INVA0168 | SMA COM-WS-100-10 Weather Station 100 | | Un | 1 615,76 € |
| INVA0169 | SMA COM-WS-200-10 Weather Station 200 | | Un | 2 440,83 € |

SMA Other Products and Accessories

- Energy Meters
- Energy Management
- Connection cables
- Monitoring
- Relays
- Sensors

| Item No. | Article | | Unit | Price Un. |
|---|---|-----|------|-----------|
| SMA Accessories, 2 year warranty | | | | |
| INVM0023 | SMA HM-20 Sunny Home Manager, 2.0 w/ Bluetooth + Speedwire - wireless monitoring and intelligent power management | | Un | 662,80 € |
| INVM0005 | SMA EMETER-20 Energy Meter, three-phase meter, bidirectional with SMA speedwire interface, measurement per phase | | Un | 378,16 € |
| INVA0064 | Edimax SP-2101W V2 WLAN socket with power measurement for SMA HM 2.0, 230V max. 16A | NEW | Un | 66,86 € |
| INVM0016 | SMA DATA MANAGER M, for monitoring and controlling large-scale installations via speedwire, up to 25 drives | | Un | 896,57 € |
| INVM0083 | SMA DATA MANAGER M Lite, for monitoring and controlling installations via speedwire, up to 5 drives | | Un | 364,41 € |
| INVA0029 | Power Supply Cluster Controller / Data Manager | | Un | 57,14 € |
| INVA0149 | SMA - I/O system by Moxa (4AI/4DI/4DIO) | | Un | 427,84 € |
| INVA0150 | SMA - I/O system by Moxa (6RTD) | | Un | 478,01 € |
| INVA0151 | SMA - I/O system by WAGO (8DI, 8DO, 4AI, 4AO, 2RTD) | | Un | 822,23 € |
| INVM0120 | SMA Sunny View, color display tuch for monitoring up to 12 drives (EOL) | | Un | 219,33 € |

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|----------|--|--|----|----------|
| INVM0126 | SMA SWDM-10 Speedwire/Webconnect interface, incl. Modbus e SunSpec protocol, retrofit kit , for STPxxxTL-30 + SBxxxTL-21 | | Un | 136,75 € |
| INVA0003 | SMA DC_SPD_KIT3-10 DC Overvoltage Protection Upgrade Kit (Type II) A+B for STP XXXTL-30 | | Un | 85,99 € |
| INVA0094 | SMA PWCMD-10 Power Control Modul (retrofit) for SBxxx-21 + SBxxxSE-10 + STPxxxTL-30 | | Un | 135,18 € |
| INVA0095 | SMA PWCBRD-10 Power Control Module tipo B (retrofit) , for STPxxx TL-20 | | Un | 135,18 € |
| INVM0002 | SMA COMGW-10 communication port for system integration with RS485 in SMA monitoring and control solutions with Speedwire | | Un | 292,66 € |
| INVA0092 | SMA MFR01-10 Multi-function relay (retrofit) to SB XXXTL-21 + SBxxxSE-10 + STPxxxTL-30 | | Un | 52,96 € |
| INVA0097 | SMA DM-485CB-10 Interface RS 485 (retrofit) for inverters -STPxxxTL-30 + SBxxxTL-21 | | Un | 98,25 € |
| INVM0113 | SMA 485BDR-10 Interface RS485 (retrofit) for STPxxxTL-20 | | Un | 98,25 € |
| INVM0134 | SMA PT100 room temperature sensor, for Sunny SensorBox (30°C to 80°C) (EOL) | | Un | 41,47 € |
| INVA0109 | SMA PT100 panel temperature sensor, for Sunny SensorBox (EOL) | | Un | 34,10 € |

| | | | | |
|---------|---|--|----|--------------|
| MON0078 | Ambient Temperature Sensor with Platinum Resistance Ta-Pt100, for SMA DATA MANAGER | | Un | sob consulta |
| MON0079 | Module Temperatur Sensor with Platinum Resistance Tmodul, Pt100, for SMA DATA MANAGER | | Un | sob consulta |
| MON0080 | Silicon Irradiance Sensor Si-I-420TC, for SMA DATA MANAGER | | Un | sob consulta |

SMA Sunny Island Inverters

| Item No. | Article | | Unit | Price Un. |
|--|--|--|------|------------|
| SMA Inverters, 10 year warranty | | | | |
| INVO0086 | SMA Sunny Island SI 4.4M-13, off-grid inverter 230VAC/50Hz, 48V-DC, 4,4KW 30min, 3,3KW, WLAN e LAN | | Un | 2 743,35 € |
| INVO0085 | SMA Sunny Island SI 6.0H-13, off-grid inverter 230VAC/50Hz, 48V-DC, 6,0KW 30min, 4,6KW, WLAN e LAN | | Un | 3 149,01 € |
| INVO0084 | SMA Sunny Island SI 8.0H-13, off-grid inverter 230VAC/50Hz, 48V-DC, 8KW 30min, 6,0 KW, WLAN e LAN | | Un | 3 451,54 € |

SMA Sunny Island Accessories

| Item No. | Article | | Unit | Price Un. |
|---|---|--|------|-------------|
| SMA Accessories, 2 year warranty | | | | |
| ACEO0131 | SMA Bat Temp Sensor for SI4.4M-12, SI6.0H-12, SI8.0H-12 | | Un | 72,47 € |
| ACEO0132 | SMA MultiClusterCan Multi Cluster CAN for SI6.0H, SI8.0H | | Un | 156,08 € |
| ACEO0022 | SMA SIC Piggy Back, for communication between SIC and SI 4.4M / 6.0H / 8.0H via Sync bus | | Un | 102,43 € |
| ACEO0040 | SMA SWDMSI-NR10 Speedwire data module, for SI3.0M / 4.4M / 6.0H / 8.0H | | Un | 156,08 € |
| ACEO0054 | SMA SI-SYSCAN-Nr CAN communication interface kit for SI 8.0H/6.0H | | Un | 156,08 € |
| ACEO0011 | SMA SI-COMSMA-NR Sunny Island communication interface RS485 (retrofit) , for SI3.0M / 4.4M / 6.0H / 8.0H | | Un | 156,08 € |
| ACEO0020 | SMA SI-485PB-NR Sunny Island communication interface RS485 (retrofit) for SI 5048 | | Un | 156,08 € |
| ACEO0010 | SMA Multicluster Piggy Back, Interface de comunicação, kit retrofit for SI5048 (Master) | | Un | 217,40 € |
| SMA Accessories, 5 year warranty | | | | |
| AceO.0014 | SMA Multicluster Box 6.3- 11, 3-phase, 230V/50Hz for up to 6 SI 6.0H/8.0H, up to 55kW generator/load connections each, incl communication cable | | Un | 4 393,49 € |
| AceO.0002 | SMA GRID-BOX-12.3-20, for three-phase on-grid systems with 138kW grid connection and connection to MC-BOX-12.3-20 | | Un | 5 369,82 € |
| AceO.0012 | SMA Multicluster Box -12.3-20, 3-phase, 230V/50Hz for up to 12 SI 6.0H/8.0H, up to 138kW PV, generator and load connections, incl communication cable. For off- | | Un | 7 810,65 € |
| AceO.0013 | SMA Multicluster Box 36.3-11, 3-phase, 230V/50Hz for up to 36 SI 6.0H/8.0H, up to 360kW generator/load connections, incl. communication cable | | Un | 15 531,91 € |

KOSTAL PIKO Inverters

| Item No. | Article | Unit | Price Un. |
|---|--|------|------------|
| Kostal solar inverters, 5 year guarantee | | | |
| INVL0119 | Kostal PIKO 12, trifásico, 2 PMP, 12000W | Un | 2 465,94 € |
| INVL0124 | Kostal PIKO 15, trifásico, 3 PMP, 15000W | Un | 2 572,53 € |
| INVL0125 | Kostal PIKO 17, trifásico, 3 PMP, 17000W | Un | 2 653,43 € |
| INVL0179 | Kostal PIKO 20, trifásico, 3 PMP, 20000W | Un | 2 696,60 € |

Request special prices for projects

KOSTAL Inversores PIKO CI PROJECTO

| Item No. | Article | Unit | Price Un. |
|--|--|--------|------------|
| Solar inverters Kostal projects | | | |
| INVL0294 | Kostal PIKO CI 30, three-phase network inverter, 30000W, 2MPPT | NEW Un | 2 727,91 € |
| INVL0295 | Kostal PIKO CI 50, 3 phase grid inverter, 50000W, 4MPPT | NEW Un | 3 967,95 € |
| INVL0296 | Kostal PIKO CI 60, three phase grid inverter, 60000W, 4MPPT | NEW Un | 4 298,98 € |

Request special prices for projects

KOSTAL PIKO MP Plus Hybrid Inverters

| Item No. | Article | Unit | Price Un. |
|---|--|------|------------|
| Kostal Hybrid solar inverters 5 years warranty | | | |
| INVS0020 | Kostal PIKO MP plus 1.5 - 1, hybrid inverter, single phase, 1500W, 1MPPT | Un | 723,77 € |
| INVS0021 | Kostal PIKO MP plus 2.0 - 1, hybrid inverter, single phase, 2000W, 1MPPT | Un | 811,83 € |
| INVS0022 | Kostal PIKO MP plus 2.5 - 1, hybrid inverter, single phase, 2500W, 1MPPT | Un | 886,06 € |
| INVS0023 | Kostal PIKO MP plus 3.0 - 1, hybrid inverter, single phase, 3000W, 1MPPT | Un | 960,30 € |
| INVS0024 | Kostal PIKO MP plus 3.0 - 2, hybrid inverter, single phase, 3000W, 2MPPT | Un | 1 012,91 € |
| INVS0025 | Kostal PIKO MP plus 3.6 - 1, hybrid inverter, single phase, 3600W, 1MPPT | Un | 1 027,83 € |
| INVS0026 | Kostal PIKO MP plus 3.6 - 2, hybrid inverter, single phase, 3600W, 2MPPT | Un | 1 099,65 € |
| INVS0027 | Kostal PIKO MP plus 4.6 - 2, hybrid inverter, single phase, 4600W, 2MPPT | Un | 1 269,61 € |
| INVS0053 | Kostal PIKO MP plus 5.0 - 2, hybrid inverter, single phase, 5000W, 2MPPT | Un | 1 343,85 € |

Compatible with BYD batteries

KOSTAL PIKO IQ Inverters

| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| Kostal grid-tied solar inverters, 2 years warranty, extendable up to 5 years through subscription portal. On request | | | |
| INVL0210 | Kostal PIKO IQ 4.2, three-phase, 2 PMP, 4200W | Un | 1 364,78 € |
| INVL0211 | Kostal PIKO IQ 5.5, three-phase, 2 PMP, 5500W | Un | 1 524,67 € |
| INVL0212 | Kostal PIKO IQ 7.0, three-phase, 2 PMP, 7000W | Un | 1 912,03 € |
| INVL0213 | Kostal PIKO IQ 8.5, three-phase, 2 PMP, 8500W | Un | 2 109,04 € |
| INVL0214 | Kostal PIKO IQ 10, three-phase, 2 PMP, 10000W | Un | 2 331,74 € |

KOSTAL PLENTICORE Plus Inverters

| Item No. | Article | Unit | Price Un. |
|---|--|------|------------|
| Kostal solar inverters, 2 years warranty, extendable to 5 years by registration portal | | | |
| INVS0051 | Kostal PLENTICORE Plus 3.0, hybrid, three-phase network inverter, 1 PMP, 3000W | Un | 1 314,17 € |
| INVS0028 | Kostal PLENTICORE Plus 4.2, hybrid, three-phase network inverter, 3 PMP, 4200W | Un | 1 365,47 € |
| INVS0029 | Kostal PLENTICORE Plus 5.5, hybrid, three-phase network inverter, 3 PMP, 5500W | Un | 1 524,03 € |
| INVS0030 | Kostal PLENTICORE Plus 7.0, hybrid, three-phase network inverter, 3 PMP, 7000W | Un | 1 912,03 € |
| INVS0031 | Kostal PLENTICORE Plus 8.5, hybrid, three-phase network inverter, 3 PMP, 8500W | Un | 2 107,90 € |
| INVS0032 | Kostal PLENTICORE Plus 10, hybrid, three-phase network inverter, 3 PMP, 10000W | Un | 2 285,11 € |

Compatíveis com baterias BYD

KOSTAL Inverters Chargers PLENTICORE BI Compatible with BYD batteries

| Item No. | Article | Unit | Price Un. |
|---|--|--------|------------|
| Kostal solar inverters, 2 years warranty, extendable to 5 years by registration portal | | | |
| INVS0054 | Kostal Plenticore BI5.5/13, hybrid grid inverter, three-phase, 5500W (EOL) | Un | 1 867,40 € |
| INVS0072 | Kostal Plenticore BI5.5/26, hybrid grid inverter, three-phase, 5500W | NEW Un | 1 888,03 € |
| INVS0073 | Kostal Plenticore BI10.0/26, hybrid grid inverter, three-phase, 10000W | NEW Un | 2 641,59 € |

KOSTAL PIKO Accessories

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Accessories solar inverters Kostal, 2 years warranty | | | |
| INVM0054 | KOSTAL PIKO BA Sensor | Un | 130,76 € |
| INVM0145 | Kostal Energy Meter | Un | 390,25 € |
| INVM0152 | Kostal Chave Software Smart Energy Meter (without discount) | Un | 375,00 € |
| INVM0153 | Kostal Chave Software Plenticore Plus (without discount) | Un | 375,00 € |
| INVM0168 | Kostal Chave Software Smart Energy Meter (ENECTOR) (without discount) | Un | 227,84 € |

KACO Blueplanet TL3 grid inverters

| Item No. | Article | | Unit | Price Un. |
|--|---|-----|------|------------|
| Kaco solar inverters, 5 year warranty | | | | |
| INVL0365 | Kaco Blueplanet 3.0 NX1 M2, grid inverter, without transformer, 3000 VA, 2 MPPT | NEW | Un | 828,29 € |
| INVL0366 | Kaco Blueplanet 3.7 NX1, grid inverter, without transformer, 3680 VA, 2 MPPT | NEW | Un | 949,34 € |
| INVL0367 | Kaco Blueplanet 4.0 NX1, grid inverter, without transformer, 4000 VA, 2 MPPT | NEW | Un | 1 003,50 € |
| INVL0368 | Kaco Blueplanet 5.0 NX1, inverter, without transformer, 5000 VA, 2 MPPT | NEW | Un | 1 051,29 € |

KACO Blueplanet TL3 grid inverters

| Item No. | Article | | Unit | Price Un. |
|--|---|--|------|------------|
| Kaco solar inverters, 5 year warranty | | | | |
| INVL0082 | Kaco Blueplanet 3.0 TL3 M2, grid inverter, without transformer, three-phase, 3000 VA, 2 MPPT | | Un | 1 542,20 € |
| INVL0100 | Kaco Blueplanet 4.0 TL3 M2, grid inverter, without transformer, three-phase, 4000 VA, 2 MPPT | | Un | 1 558,61 € |
| INVL0193 | Kaco Blueplanet 5.0 TL3 M2, grid inverter, without transformer, 5000 VA, 2 MPPT | | Un | 1 573,58 € |
| INVL0194 | Kaco Blueplanet 6.5 TL3 M2, grid inverter, without transformer, 6500 VA, 2 MPPT | | Un | 1 609,42 € |
| INVL0195 | Kaco Blueplanet 7.5 TL3 M2, grid inverter, without transformer, 7500 VA, 2 MPPT | | Un | 1 659,76 € |
| INVL0011 | Kaco Blueplanet 8.6 TL3 M2, grid inverter, without transformer, three-phase, 8600 VA, 2 MPPT | | Un | 1 731,28 € |
| INVL0196 | Kaco Blueplanet 9.0 TL3 M2, grid inverter, without transformer, three-phase 9000 VA, 2 MPPT | | Un | 1 771,89 € |
| INVL0008 | Kaco Blueplanet 10.0 TL3 M2, grid inverter, without transformer, 10000 VA, 2 MPPT | | Un | 1 837,52 € |
| INVL0197 | Kaco Blueplanet 15.0 TL3 - INT - SPD*, grid inverter without transformer, three-phase, 15000 VA, 2 MPPT | | Un | 2 372,24 € |
| INVL0019 | Kaco Blueplanet 20.0 TL3 - INT - SPD*, grid inverter, without transformer, 20000 VA, 2 MPPT | | Un | 2 525,00 € |

*overvoltage protection module required, 3 pcs per mppt

KACO Grid Connected Inverters Blueplanet 50 - 60 ^{1 MPPT}

| | | | | |
|----------|---|-----|----|------------|
| INVL0369 | Kaco Blueplanet 50.0 TL3 - S, three-phase, 50000 VA, 1 MPPT | | Un | 3 480,71 € |
| INVL0001 | Kaco Blueplanet 50.0 TL3 - B, three-phase, 50000 VA, 1 MPPT | | Un | 3 575,33 € |
| INVL0002 | Kaco Blueplanet 50.0 TL3 - M*, network inverter without transformer, three-phase, 50000 VA, 1 MPPT | | Un | 3 858,86 € |
| INVL0003 | Kaco Blueplanet 50.0 TL3 - XL*, network inverter without transformer, three-phase, 50000 VA, 1 MPPT | | Un | 4 047,77 € |
| INVL0059 | Kaco Blueplanet 50.0 TL3 - XL - F*, network inverter without transformer, three-phase, 50000VA | | Un | 4 154,01 € |
| INVL0370 | Kaco Blueplanet 60.0 TL3 - Basic, network inverter without transformer, three-phase, 50000 VA, 1 MPPT | NEW | Un | 4 193,36 € |
| INVL0371 | Kaco Blueplanet 60.0 TL3 - M*, network inverter without transformer, three-phase, 50000 VA, 1 MPPT | NEW | Un | 4 338,94 € |
| INVL0372 | Kaco Blueplanet 60.0 TL3 - XL* network inverter without transformer, three-phase, 50000 VA, 1 MPPT | NEW | Un | 4 669,94 € |
| INVL0373 | Kaco Blueplanet 60.0 TL3 - XL - F*, network inverter without transformer, three-phase, 50000VA | NEW | Un | 4 737,16 € |

KACO Accessories Blueplanet 50 - 60

| Item No. | Article | | Unit | Price Un. |
|---|--|--|------|-----------|
| Accessories solar inverters Kaco, 2 years warranty | | | | |
| INVA0187 | Kaco Blueplanet Extension Module digital inputs | | Un | 99,72 € |
| INVA0120 | Kaco Powador Protect - Grid Management (VDE-AR-N 4105) | | Un | 491,63 € |
| INVA0121 | Kaco Overvoltage Protection Module 1000 VD T1/2, for version M; DC side Phoenix I+II (3 per MPPT required) | | Un | 17,66 € |
| INVA0119 | Kaco Overvoltage Protection Module 7P.10 T1, for M and XL version; AC Side: Finder SPD I+II (3 per drive required) | | Un | 35,31 € |
| INVA0153 | Kaco fuses 15A (bp 50 XL), Fuse-PV 14x51mm | | Un | 51,43 € |
| INVA0189 | Kaco fuses 20A (bp 50 XL), FUSE-PV 14x51mm 1100V 20A | | Un | 51,43 € |
| INVA0190 | Kaco Fuse-PV 14x51mm 1100V 15A bp60 | | Un | 61,71 € |
| INVA0191 | Kaco Fuse-PV 14x51mm 1100V 20A bp60 | | Un | 61,71 € |
| INVA0192 | Kaco HISkon Inlinefuse 1000 V Sunclix | | Un | 17,66 € |

KACO Blueplanet C & I Inverters

| Item No. | Article | | Unit | Price Un. |
|--|------------------------------|--|------|------------|
| Kaco solar inverters, 5 year warranty | | | | |
| INVL0374 | Kaco blueplanet 87.0 TL3-S | | Un | 6 759,19 € |
| INVL0375 | Kaco blueplanet 92.0 TL3-S | | Un | 6 821,26 € |
| INVL0376 | Kaco blueplanet 105.0 TL3-S | | Un | 7 424,06 € |
| | Kaco blueplanet 87.0 TL3-XL | | Un | 7 158,96 € |
| | Kaco blueplanet 92.0 TL3-XL | | Un | 7 434,27 € |
| | Kaco blueplanet 105.0 TL3-XL | | Un | 7 709,59 € |

Request special prices for projects

KACO Blueplanet Utility Inverters

| Item No. | Article | | Unit | Price Un. |
|--|---|--|------|--------------|
| Kaco solar inverters, 5 year warranty | | | | |
| | Kaco blueplanet 125.0 TL3-S / -XL , 137.0 TL3-S / -XL ; 150.0 TL3-S / -XL / 155.0 TL3-S / -XL / 165.0 TL3-S / -XL | | Un | sob consulta |

Request special prices for projects

KACO Accessories

| Item No. | Article | | Unit | Price Un. |
|---|---|--|------|-----------|
| Accessories Solar Inverters Kaco, 2 years warranty | | | | |
| INVA0193 | Kaco Kit AC SPD (4 uni) (1 kit per inverter) | | Un | 107,51 € |
| INVA0194 | Kaco Kit DC SPD (1 kit per inverter) | | Un | 83,14 € |
| INVA0195 | Kaco Kit LAN - SPD (1 kit per inverter) | | Un | 91,53 € |
| INVA0196 | Kaco Kit RS485 - SPD (1 kit per inverter) | | Un | 141,57 € |
| INVA0197 | Kaco PID connection Set 87-165 (only incl set to connect external float controller) | | Un | 91,53 € |
| INVA0198 | Kit AC input plate (double row) 87-165 | | Un | 91,53 € |
| INVA0199 | Kit AC input plate (M63/32) | | Un | 74,90 € |
| INVA0200 | Kaco WLAN adapter bp 87-165 | | Un | 16,92 € |
| INVA0201 | blueplanet DC-breaker bp 87 - 165 | | Un | 703,68 € |
| INVA0202 | Kaco Bending box bp 87-165 | | Un | 381,92 € |

Growatt Grid Connected Inverters



| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| Growatt grid inverters 10 years warranty | | | |
| INVL0284 | Growatt MIC 750TL-X, single-phase, 1 mppt | Un | 308,57 € |
| INVL0285 | Growatt MIC 1000TL-X, single-phase, 1 mppt | Un | 320,29 € |
| INVL0286 | Growatt MIC 1500TL-X, single-phase, 1 mppt | Un | 362,43 € |
| INVL0287 | Growatt MIC 2000TL-X, single-phase, 1 mppt | Un | 438,29 € |
| INVL0288 | Growatt MIC 2500TL-X, single-phase, 1 mppt | Un | 463,57 € |
| INVL0289 | Growatt MIC 3000TL-X, single-phase, 1 mppt | Un | 514,14 € |
| INVL0290 | Growatt MIC 3300TL-X, single-phase, 1 mppt | Un | 590,00 € |
| INVL0277 | Growatt MIN2500TL-XE, single-phase, 2 mppt | Un | 533,93 € |
| INVL0278 | Growatt MIN3000TL-XE, single-phase, 2 mppt | Un | 575,00 € |
| INVL0279 | Growatt MIN3600TL-XE, single-phase, 2 mppt | Un | 657,14 € |
| INVL0280 | Growatt MIN4200TL-XE, single-phase, 2 mppt | Un | 698,21 € |
| INVL0281 | Growatt MIN4600TL-XE, single-phase, 2 mppt | Un | 724,71 € |
| INVL0282 | Growatt MIN5000TL-XE, single-phase, 2 mppt | Un | 757,29 € |
| INVL0283 | Growatt MIN6000TL-XE, single-phase, 2 mppt | Un | 806,14 € |
| INVL0300 | Growatt MOD3000TL3-X, three-phase, 2 mppt | Un | 1 005,29 € |
| INVL0301 | Growatt MOD4000TL3-X, three-phase, 2 mppt | Un | 1 045,82 € |
| INVL0302 | Growatt MOD5000TL3-X, three-phase, 2 mppt | Un | 1 102,57 € |
| INVL0303 | Growatt MOD6000TL3-X, three-phase, 2 mppt | Un | 1 167,43 € |
| INVL0304 | Growatt MOD7000TL3-X, three-phase, 2 mppt | Un | 1 313,36 € |
| INVL0305 | Growatt MOD8000TL3-X, three-phase, 2 mppt | Un | 1 362,00 € |
| INVL0306 | Growatt MOD9000TL3-X, three-phase, 2 mppt | Un | 1 410,64 € |
| INVL0307 | Growatt MOD10000TL3-X, three-phase, 2 mppt | Un | 1 422,32 € |
| INVL0308 | Growatt MOD11000KTL3-X, three-phase, 2 mppt | Un | 1 558,93 € |
| INVL0309 | Growatt MOD12000KTL3-X, three-phase, 2 mppt | Un | 1 639,29 € |
| INVL0310 | Growatt MOD13000KTL3-X, three-phase, 2 mppt | Un | 1 695,54 € |
| INVL0311 | Growatt MOD15000KTL3-X, three-phase, 2 mppt | Un | 1 743,75 € |
| INVL0312 | Growatt MID15000KTL3-X, three-phase, 2 mppt | Un | 1 944,64 € |
| INVL0313 | Growatt MID17000KTL3-X, three-phase, 2 mppt | Un | 1 896,43 € |

Growatt Grid Inverters Commercial-Industrial

| Item No. | Article | Unit | Price Un. |
|---|--|------|------------|
| Growatt grid-tied solar inverters, 5 year warranty | | | |
| INVL0314 | Growatt MID22000KTL3-X, three-phase, 2 mppt | Un | 2 025,00 € |
| INVL0315 | Growatt MID25000KTL3-X, three-phase, 2 mppt | Un | 2 282,14 € |
| INVL0316 | Growatt MID25000KTL3-X1, three-phase, 3 mppt | Un | 2 458,93 € |
| INVL0317 | Growatt MID30000KTL3-X, three-phase, 3 mppt | Un | 2 439,64 € |
| INVL0318 | Growatt MID33000KTL3-X, three-phase, 3 mppt | Un | 2 716,07 € |
| INVL0319 | Growatt MID36000KTL3-X, three-phase, 4 mppt | Un | 2 764,29 € |
| INVL0320 | Growatt MID40000KTL3-X, three-phase, 4 mppt | Un | 2 860,71 € |
| INVL0257 | Growatt MAX 50KTL3 LV, three-phase, 6 mppt, 12 strings, with DC switch | Un | 3 345,00 € |
| INVL0258 | Growatt MAX 60KTL3 LV, three-phase, 6 mppt, 12 strings, with DC switch | Un | 3 727,29 € |
| INVL0259 | Growatt MAX 70KTL3 LV, three-phase, 6 mppt, 12 strings, with DC switch | Un | 4 237,00 € |
| INVL0260 | Growatt MAX 80KTL3 LV, three-phase, 6 mppt, 12 strings, with DC switch | Un | 4 619,29 € |

Growatt Hybrid Inverters

| Item No. | Article | Unit | Price Un. | |
|---|---|----------------------------------|------------|------------|
| Growatt grid-tied hybrid solar inverters, 10 year warranty | | | | |
| INVS0074 | Growatt MIN 2500TL-XH, single-phase, ready for ARK HV batteries | NEW Un | 608,04 € | |
| INVS0075 | Growatt MIN 3000TL-XH, single-phase, ready for ARK HV batteries | NEW Un | 648,57 € | |
| INVS0076 | Growatt MIN 3600TL-XH, single-phase, ready for ARK HV batteries | NEW Un | 729,64 € | |
| INVS0077 | Growatt MIN 4200TL-XH, single-phase, ready for ARK HV batteries | NEW Un | 770,18 € | |
| INVS0078 | Growatt MIN 4600TL-XH, single-phase, ready for ARK HV batteries | NEW Un | 802,61 € | |
| INVS0079 | Growatt MIN 5000TL-XH, single-phase, ready for ARK HV batteries | NEW Un | 835,04 € | |
| INVS0080 | Growatt MIN 6000TL-XH, single-phase, ready for ARK HV batteries | NEW Un | 883,68 € | |
| INVS0117 | Growatt MOD4000TL3-XH, 2 mppt, 3-phase, battery-ready ARK HV | Un | 1 126,89 € | |
| INVS0118 | Growatt MOD5000TL3-XH, 2 mppt, 3-phase, battery-ready ARK HV | Un | 1 167,43 € | |
| INVS0119 | Growatt MOD6000TL3-XH, 2 mppt, 3-phase, battery-ready ARK HV | FROM APRIL-MAY 22 | Un | 1 232,29 € |
| INVS0120 | Growatt MOD7000TL3-XH, 2 mppt, 3-phase, battery-ready ARK HV | FROM APRIL-MAY 22 | Un | 1 297,14 € |
| INVS0121 | Growatt MOD8000TL3-XH, 2 mppt, 3-phase, battery-ready ARK HV | FROM APRIL-MAY 22 | Un | 1 443,07 € |
| INVS0122 | Growatt MOD9000TL3-XH, 2 mppt, 3-phase, battery-ready ARK HV | FROM APRIL-MAY 22 | Un | 1 491,71 € |
| INVS0123 | Growatt MOD9000TL3-XH, 2 mppt, trifásico, ARK HV ARK | A PARTIR DE ABRIL-MAIO 22 | Un | 1 540,36 € |
| INVS0036 | Growatt SPH 3000, single-phase, compatible with Growatt ARK LV and Pylontech US batteries | Un | 1 564,68 € | |
| INVS0037 | Growatt SPH 3600, single-phase, compatible with Growatt ARK LV and Pylontech US batteries | Un | 1 329,57 € | |
| INVS0038 | Growatt SPH 4000, single-phase, compatible with Growatt ARK LV and Pylontech US batteries | Un | 1 378,21 € | |
| INVS0039 | Growatt SPH 4600, single-phase, compatible with Growatt ARK LV and Pylontech US batteries | Un | 1 410,64 € | |
| INVS0040 | Growatt SPH 5000, single-phase, compatible with Growatt ARK LV and Pylontech US batteries | Un | 1 459,29 € | |
| INVS0041 | Growatt SPH 6000, single-phase, compatible with Growatt ARK LV and Pylontech US batteries | Un | 1 540,36 € | |
| INVS0045 | Growatt SPH 4000TL3 BH, three-phase, incl meter, compatible with ARK HV batteries | Un | 2 008,93 € | |
| INVS0047 | Growatt SPH 6000TL3 BH, three-phase, incl meter, compatible with ARK HV batteries | Un | 2 330,36 € | |
| INVS0050 | Growatt SPH 10000TL3 BH, three-phase, incl meter, compatible with ARK HV batteries | Un | 2 180,57 € | |
| INVS0096 | Growatt SPH 4000TL3 BH-UP, three phase, incl meter, compatible with ARK HV batteries | NEW Un | 2 008,93 € | |
| INVS0097 | Growatt SPH 5000TL3 BH-UP, three phase, incl meter, compatible with ARK HV batteries | NEW Un | 2 169,64 € | |
| INVS0098 | Growatt SPH 6000TL3 BH-UP, three phase, incl meter, compatible with ARK HV batteries | NEW Un | 2 330,36 € | |
| INVS0099 | Growatt SPH 7000TL3 BH-UP, three phase, incl meter, compatible with ARK HV batteries | NEW Un | 2 651,79 € | |
| INVS0100 | Growatt SPH 8000TL3 BH-UP, three phase, incl meter, compatible with ARK HV batteries | NEW Un | 2 812,50 € | |
| INVS0101 | Growatt SPH 10000TL3 BH-UP, three phase, incl meter, compatible with ARK HV batteries | NEW Un | 2 180,57 € | |

Growatt Accessories

| Item No. | Article | | Unit | Price Un. |
|--|---------------------------------|-----|------|-----------|
| Accessories Solar Inverters Growatt, 2 years warranty | | | | |
| INVM0084 | Growatt Shine Link | | Un | 46,43 € |
| INVM0085 | Growatt Shine WiFi-S | | Un | 15,00 € |
| INVM0154 | Growatt Shine WiFi-X | | Un | 15,00 € |
| INVM0086 | Growatt Shine master | | Un | 328,57 € |
| INVA0161 | Growatt SPM, single phase meter | | Un | 111,43 € |
| INVA0163 | Growatt TPM, three-phase meter | | Un | 178,57 € |
| INVA0170 | Growatt RailLog-RF | | Un | 89,29 € |
| INVA0174 | Growatt ATS-T single-phase | | Un | 94,64 € |
| INVA0171 | Three-phase Growatt ATS-T | | Un | 446,43 € |
| INVM0155 | Growatt GroBoost | NEW | Un | 308,57 € |
| INVA0186 | Growatt TL-XH Backup Box | NEW | Un | 178,57 € |

STECA COOLCEPT FLEX Grid Inverters



| Item No. | Article | Unit | Price Un. |
|--|--|------|------------|
| Steca grid-tied solar inverters 5 years warranty + 2 years after registration (valid for EU countries) | | | |
| INVL0186 | StecaGrid 1511, Single-phase grid inverter 1.500 Wac, data logging e display, RS485 y Ethernet, AR-N 4105, ENS, IP 65, Sunclix, interior / exterior | Un | 721,93 € |
| INVL0187 | StecaGrid 2011, Single-phase grid inverter 2.000 Wac, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 763,19 € |
| INVL0188 | StecaGrid 2511, Single-phase grid inverter 2.500 Wac, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 831,94 € |
| INVL0189 | StecaGrid 3011, Single-phase grid inverter 3.000 Wac, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 900,70 € |
| INVL0190 | StecaGrid 3611, Single-phase grid inverter 3.680 Wac, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 983,21 € |
| INVL0191 | StecaGrid 3611_2, Single-phase grid inverter 3.680 Wac, 2 MPPT, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 1 058,84 € |
| INVL0204 | StecaGrid 4611_2, Single-phase grid inverter 4Wac, 2 MPPT, data logging e display, RS485e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 1 134,47 € |

STECA COOLCEPT³ FLEX grid inverters

| Item No. | Artigo | Unit | Price Un. |
|--|--|------|------------|
| Steca grid-tied solar inverters 5 years warranty + 2 years after registration (valid for EU countries) | | | |
| INVL0205 | StecaGrid 4213, Single-phase grid inverter 4.200 Wac, 2 MPPT, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 1 430,12 € |
| INVL0206 | StecaGrid 5513, Single-phase grid inverter 5.500 Wac, 2 MPPT, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 1 595,13 € |
| INVL0207 | StecaGrid 7013, Single-phase grid inverter 7.000 Wac, 2 MPPT, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 1 959,54 € |
| INVL0208 | StecaGrid 8513, Single-phase grid inverter 8.000 Wac, 2 MPPT, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 2 165,80 € |
| INVL0209 | StecaGrid 10013, Single-phase grid inverter 10.000 Wac, 2 MPPT, data logging e display, RS485 e Ethernet, AR-N 4105, ENS, IP 65, Sunclix, indoors / outdoors | Un | 2 440,83 € |

STECA COOLCEPT³ FLEX grid inverters

| Item No. | Article | Unit | Price Un. |
|--|---|------|------------|
| Steca grid-tied solar inverters 5 years warranty + 2 years after registration (valid for EU countries) | | | |
| INVL0140 | StecaGrid 3203, Three-phase grid inverte 3.200 Wac, data logging e display, RS485, Ethernet e Modbus RTU, AR-N 4105, ENS, IP 21, Sunclix, indoor | Un | 1 992,54 € |
| INVL0141 | StecaGrid 4003, Three-phase grid inverter 4.000 Wac, data logging e display, RS485, Ethernet e Modbus RTU, AR-N 4105, ENS, IP 21, Sunclix, indoor | Un | 1 271,98 € |
| INVL0142 | StecaGrid 5003, Three-phase grid inverter 5.000 Wac, data logging e display, RS485, Ethernet e Modbus RTU, AR-N 4105, ENS, IP 21, Sunclix, indoor | Un | 1 373,74 € |
| INVL0143 | StecaGrid 6003, Three-phase grid inverter 6.000 Wac, data logging e display, RS485, Ethernet e Modbus RTU, AR-N 4105, ENS, IP 21, Sunclix, indoor | Un | 1 471,37 € |

STECA Other Products and Accessories

- Energy meters
- Connection cables
- Energy Management
- Monitoring

| Item No. | Article | Unit | Price Un. |
|-------------------------------------|--|------|-----------|
| Steca accessories, 2 year guarantee | | | |
| INVM0006 | StecaGrid SEM, Smart energy manager, 4 analog inputs for centralised remote control receiver, 2 x RS485, interface USB, IP 20, 91 x 72 x 58 mm, for coolcept, coolcept-x, coolcept ³ , coolcept ³ -x, StecaGrid 8000+ 3ph e StecaGrid 10000+ 3ph | Un | 182,78 € |
| INVA0021 | Steca conector AC for larger cable section, 13 - 18 mm, para StecaGrid 8000(+ 3ph, 10000(+ 3ph e coolcept ³ , coolcept ³ -x | Un | 20,19 € |
| INVA0022 | Steca cabo Bus 1.5m, bus cable RS485, IP67, 1.5m, black, conector PushPull on both sides, to coolcept-x, coolcept ³ -x, StecaGrid 8000(+ 3ph e 10000(+ 3ph | Un | 51,37 € |
| INVA0023 | Steca Bus cable 20m, RS485 bus cable, IP67, 20m, yellow, PushPull connector on both sides, for coolcept-x, coolcept ³ -x, StecaGrid 8000(+ 3ph and 10000(+ 3ph | Un | 129,02 € |
| INVA0024 | RJ45 PushPull connector key, IP67, for conductors size AWG 27 to AWG 22, max. diameter 1.5 mm, cable diameter 4.9 - 8.6 mm, for mounting without special tools | Un | 25,09 € |
| INVA0025 | Steca RS485 termination IP65, RJ45 termination resistor, 120 Ohm, IP65, for coolcept-x, coolcept ³ -x, StecaGrid 8000(+ 3ph and 10000(+ 3ph | Un | 22,70 € |
| INVA0026 | RS485 termination steca IP21, RJ45 termination resistor, 120 Ohm, IP21, for coolcept and coolcept ³ | Un | 8,36 € |
| INVA0028 | Steca RS485 - USB IP21 adapter cable, Windows 2000/ME/XP and MAC, RJ45 connector, connection for coolcept and coolcept ³ , 2 m | Un | 71,68 € |
| INVA0030 | Steca RS485 - USB adapter cable, IP65, Windows 2000/ME/XP and MAC, PushPull connector, for coolcept-x, coolcept ³ -x, StecaGrid 8000(+ 3ph and 10000(+ 3ph, length, 2.5 m | Un | 93,78 € |
| INVM0009 | Steca energy meter cable 1.5 m, connecting cable for energy meter, for coolcept and coolcept ³ , RJ10, 1.5 m | Un | 5,85 € |
| INVM0010 | Steca energy meter cable 5 m, connecting cable for energy meter, for coolcept and coolcept ³ , RJ10, 5 m | Un | 9,44 € |

STECA DC switches, DC ACCESSORIES

| Item No. | Article | Unit | Price Un. |
|-------------------------------------|---|------|-----------|
| Steca accessories, 2 year guarantee | | | |
| INVA0031 | Steca MC4-Sunclix adapter cable, 1x cable for positive, 1x cable for negative, total length 150 mm | Un | 20,95 € |
| INVA0035 | Steca parallel socket MC4, Y-adapter for parallel connection of positive inputs of the StecaGrid 2000+ / 2010+, PV-AZB4 | Un | 8,50 € |
| INVA0038 | MC4 parallel plug socket, Y-adapter for parallel connection, PV-AZS4 | Un | 8,44 € |
| INVA0039 | MC4 male connector, male cable gland, conductor section 4 - 6mm ² , PV-KST4/6II | Un | 2,09 € |
| INVA0041 | MC4 female connector, female cable gland, conductor section 4 - 6mm ² , PV-KBT4/6II | Un | 2,71 € |
| INVA0042 | Sunclix male connector, cable connector, Typ: PV-CF-S 2,5-6 (+) | Un | 3,94 € |
| INVA0043 | Sunclix female connector, female cable connector, Typ: PV-CM-S 2,5-6 (-) | Un | 3,94 € |

OFF-GRID SYSTEMS

STECA TAROM

2x AUX relays
Internal and microSD dataloggers



| Item No. | Article | Unit | Price Un. |
|--|---|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0039 | Steca Tarom 4545, 12/24V, 45A with communication and LCD | Un | 241,68 € |
| CCA0040 | Steca Tarom 4545-48, 12/24V/48V, 45A with communication and LCD | Un | 267,57 € |

STECA TAROM MPPT

Two independent MPP trackers
2x AUX relays (Tarom MPPT 6000-M)
Internal dataloggers and, for Tarom MPPT 6000-M, microSD datalogging

| Item No. | Article | Unit | Price Un. |
|--|---|------|------------|
| Steca solar controllers 5 years warranty | | | |
| CCA0041 | Steca Tarom MPPT 6000-S, 12/24/48V, 60A MPPT with LCD | Un | 717,58 € |
| CCA0009 | Steca Tarom MPPT 6000-M, 12/24/48V, 60A MPPT with interfaces to & LCD | Un | 1 080,59 € |

STECA POWER TAROM

IP65
Para aplicações industriais e telecom

| Item No. | Article | Unit | Price Un. |
|--|---|------|------------|
| Steca solar controllers 5 years warranty | | | |
| CCA0055 | Steca Power Tarom 2070, 12/24V, 70A with LCD | Un | 933,70 € |
| CCA0053 | Steca Power Tarom 2140, 12/24V, 140A with LCD | Un | 1 208,91 € |
| CCA0067 | Steca Power Tarom 4055, 48V, 55A with LCD | Un | 1 206,38 € |
| CCA0054 | Steca Power Tarom 4110, 48V, 110A with LCD | Un | 1 364,25 € |
| CCA0068 | Steca Power Tarom 4140, 48V, 140A with LCD | Un | 1 561,80 € |

STECA PR

Display intuitivo com estado de carga

| Item No. | Article | Unit | Price Un. |
|--|-------------------------------------|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0058 | Steca PR 1010, 12/24V, 10A with LCD | Un | 68,36 € |
| CCA0059 | Steca PR 1515, 12/24V, 15A with LCD | Un | 80,86 € |
| CCA0060 | Steca PR 2020, 12/24V, 20A with LCD | Un | 95,40 € |
| CCA0061 | Steca PR 3030, 12/24V, 30A with LCD | Un | 112,22 € |

STECA SOLARIX

Integrated USB charger
Intuitive display with charging status

| Item No. | Article | Unit | Price Un. |
|--|---|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0063 | Steca Solarix 2525, 12/24V, 25A, USB charger with LCD | Un | 98,39 € |
| CCA0057 | Steca Solarix 4040, 12/24V, 40A, USB charger with LCD | Un | 116,68 € |

STECA PR 2020 IP

IP65
Intuitive display with charge status

| Item No. | Article | Unit | Price Un. |
|--|--|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0043 | Steca PR 2020-IP, 12/24V, 20A with LCD, IP65 | Un | 142,56 € |
| CCA0084 | Steca PR 2020-IP-ALR, 12/24V, 20A with LCD and alarm, IP65 | Un | 171,11 € |

STECA SOLARIX 2020-x2

Charges 2 batteries simultaneously
Integrated USB charger
Optional: external control and programming unit with graphic display

| Item No. | Article | Unit | Price Un. |
|--|--|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0056 | Steca Solarix 2020-x2, 12/24V, 20A controller for 2 batteries with USB charger | Un | 115,16 € |
| CCA0077 | Steca PA LCD1, remote graphic display for Solarix 2020-x2, 5m cable | Un | 97,44 € |

STECA SOLARIX MPPT

With Display
Manual Load Switch
Programmable



| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0095 | Steca Solarix MPPT 3020 - 12/24V, 30A MPP-Tracker, 20A load output, with LCD | Un | 171,77 € |
| CCA0096 | Steca Solarix MPPT 5020 - 12/24/48V, 50A MPP-Tracker, 20A load output, with LCD | Un | 388,41 € |

STECA SOLSUM F e New Generation

Intuitive 4-LED display
Programmable night light

| Item No. | Article | Unit | Price Un. |
|---|--|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0051 | Steca Solsum 6.6F, 12/24V, 6A, with display LED | Un | 17,73 € |
| CCA0052 | Steca Solsum 8.8F, 12/24V, 8A, with display LED | Un | 23,62 € |
| CCA0050 | Steca Solsum 10.10F, 12/24V, 10A, with display LED | Un | 31,80 € |

STECA SOLARIX PRS

Intuitive 5-LED display
Programmable night light

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0046 | Steca Solarix PRS 1010, 12/24V, 10A, with display LED | Un | 44,52 € |
| CCA0047 | Steca Solarix PRS 1515, 12/24V, 15A, with display LED | Un | 48,15 € |
| CCA0048 | Steca Solarix PRS 2020, 12/24V, 20A, with display LED | Un | 54,07 € |
| CCA0049 | Steca Solarix PRS 3030, 12/24V, 30A, with display LED | Un | 70,82 € |

STECA SOLSUM

Intuitive 5-LED display
Integrated USB charger

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0042 | Steca Solsum 2525, 12/24V, 25A, USB charger, with LED display | Un | 61,60 € |
| CCA0064 | Steca Solsum 4040, 12/24V, 40A, USB charger, with LED display | Un | 75,29 € |

STECA SOLARIX MPPT

Intuitive 5-LED display
Programmable night light

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Steca solar controllers 5 years warranty | | | |
| CCA0044 | Steca Solarix MPPT 1010, 12/24V, 10A MPPT, with LED display | Un | 152,64 € |
| CCA0045 | Steca Solarix MPPT 2010, 12/24V, 20A MPPT, with LED display | Un | 186,56 € |

STECA Accessories

For solar chargers
increase the functionality of your solar controller

| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| Accessories for Steca solar controllers 2 years warranty | | | |
| ACEO0130 | Steca DIN-Rail mounting kit, Kit assembly top hat/DIN (2 un./controlador) | Un | 1,49 € |
| ACEO0032 | Steca PA IRS 1008/180, motion detector DC 12V / 5A | Un | 84,70 € |
| ACEO0033 | Steca PA IRS 1008/180, motion detector DCr 24V / 5A | Un | 130,90 € |
| Accessories Steca Solsum F, Solarix PRS, Solarix MPPT 1010, Solarix MPPT 2010, 2 years g | | | |
| ACEO0034 | Steca PA RC100, programming unit | | 84,42 € |
| Accessories Steca Power Tarcom, 2 year warranty | | | |
| ACEO0035 | Steca PA Tarcom 01, Data Logger (Serial) | Un | 489,64 € |
| ACEO0037 | Steca PA Tarcom GSM, Data Logger (GSM) | Un | 1 013,06 € |
| ACEO0028 | Steca PA CAB1 Tarcom, Tarcom Data cable for PC connection via USB | Un | 73,14 € |
| ACEO0031 | Steca PA HS200, Shunt sensor de corrente bidirecional, 200A DC | Un | 295,48 € |
| Accessories Steca Tarcom 4545 and Steca Tarcom 4545-48, 2 years warranty | | | |
| ACEO0129 | Steca PA CAB2 Tarcom, data cable, PC connection via USB | Un | 51,33 € |
| ACEO0126 | Steca PA HS400, Shunt current sensor bi-directional, 400A DC | Un | 337,69 € |
| Accessories Steca Tarcom 4545(-48) and Steca Tarcom MPPT 6000(-M/-S), 2 years warranty | | | |
| ACEO0044 | Steca RCC-CAB-2 StecaLink connection cable, 2m | Un | 54,51 € |
| ACEO0125 | Steca RCC-CAB-5, StecaLink connection cable, 5m | Un | 337,69 € |
| ACEO0044 | Steca RCC-CAB-20, StecaLink connection cable, 20m | Un | 163,85 € |
| Accessories Steca Tarcom 4545(-48) and Steca Tarcom MPPT 6000(-M/-S), 2 years warranty | | | |
| ACEO0044 | Steca RCC-CAB-2 StecaLink connection cable, 2m | Un | 13,37 € |
| ACEO0125 | Steca RCC-CAB-5, StecaLink connection cable, 5m | Un | 23,66 € |
| ACEO0045 | Steca RCC-CAB-20, StecaLink connection cable, 20m | Un | 40,41 € |
| Steca Temperature sensors, 2 year warranty | | | |
| ACEO0123 | Steca PA TS20 IP10, external temperature sensor for PR2020 IP, 0m | Un | 21,77 € |
| ACEO0039 | Steca PA TS10, ext. temperature sensor PR, S MPPT, P Tarcom, 2.8m | Un | 21,77 € |
| ACEO0124 | Steca PA TS-S, Tarcom 4545(-48) ext. temperature sensor, MPPT 6000-M/-S, 2.8m | Un | 26,12 € |

STECA SOLARIX PI Inverters

Very high efficiency and very robust
Up to 4 inverters in parallel



| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Steca inverters Off Grid, 5 year guarantee | | | |
| INVO0017 | Steca Solarix PI 500-12, 12V DC, 450W cont., 500W P30, 230V/50Hz AC | Un | 401,40 € |
| INVO0020 | Steca Solarix PI 550-24, 24V DC, 450W cont., 550W P30, 230V/50Hz AC | Un | 458,74 € |
| INVO0018 | Steca Solarix PI 1100-24, 24V DC, 900W cont., 1100W P30, 230V/50Hz AC | Un | 621,21 € |
| INVO0019 | Steca Solarix PI 1500-48, 48V DC, 900W cont., 1500W P30, 230V/50Hz AC | Un | 669,00 € |
| ACEO0019 | Steca PA Link1, caixa ligação para Steca Solarix PI | Un | 162,47 € |

Note: do not mix new generation PI inverters (above) with those of previous versions or PAX4

STECA Hybrid Inverters SOLARIX PLI

All-in-one: Inverter Charger with MppT 80A controller
AC input for generator connection or grid connection
Programming of power source priorities
Compatible with lead acid and Pylontech lithium batteries

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Steca inverters PLI charger, 2 year warranty | | | |
| INVO0088 | Steca Solarix PLI 1000-12, 12V DC, 1000W cont., 230V AC 50/60Hz, 40A MPPT | Un | 435,05 € |
| INVO0050 | Steca Solarix PLI 2400-24, 24V DC, 2400W cont., 230V AC 50/60Hz, 40A MPPT | Un | 706,25 € |
| INVO0010 | Steca Solarix PLI 5000-48, 48V DC, 5000W cont., 230V AC 50/60Hz, 80A MPPT | Un | 936,77 € |
| ACEO0122 | Steca PLI 5000-48 3ph./parallel kit, Solarix PLI extension card/cables, 3-ph./parallel operation | Un | 141,25 € |
| ACEO0133 | Steca PLI 2400-24 3ph./parallel kit - Solarix PLI extension card/cables, 3-ph./parallel operation | Un | 141,25 € |

STECA Inverters AJ

Very high efficiency

| Item No. | Article | Unit | Price Un. |
|---|--|------|------------|
| Steca inverters Off Grid, 5 year guarantee | | | |
| INVO0029 | Steca AJ 275-12, 12V DC, off-grid, 200W cont., 275W P30, 230V/50Hz AC | Un | 308,71 € |
| INVO0030 | Steca AJ 350-24, 24V DC, off-grid, 300W cont., 350W P30, 230V/50Hz AC | Un | 332,81 € |
| INVO0031 | Steca AJ 400-48, 48V DC, off-grid, 300W cont., 400W P30, 230V/50Hz AC | Un | 359,69 € |
| INVO0032 | Steca AJ 700-48, 48V DC, off-grid, 500W cont., 700W P30, 230V/50Hz AC | Un | 592,38 € |
| INVO0026 | Steca AJ 1000-12, 12V DC, off-grid, 800W cont., 1000W P30, 230V/50Hz AC | Un | 876,98 € |
| INVO0027 | Steca AJ 2100-12, 12V DC, off-grid, 2000W cont., 2100W P30, 230V/50Hz AC | Un | 1 702,98 € |
| INVO0028 | Steca AJ 2400-24, 24V DC, off-grid, 2000W cont., 2400W P30, 230V/50Hz AC | Un | 1 438,77 € |

STECA Inverters XTENDER

Very high efficiency
Pairable up to 9 pcs. (tb 3-phase)

| Item No. | Article | Unit | Price Un. |
|--|---|------|------------|
| Steca inverters for stand alone systems, 5 years warranty | | | |
| INVO0015 | Steca XTS 900-12, 12V DC, off-grid inverter, battery charger 500W cont., 700W P30, 230V/50Hz AC | Un | 1 139,34 € |
| INVO0041 | Steca XTS 1200-24, 24V DC, off-grid inverter, battery charger 650W cont., 1000W P30, 230V/50Hz AC | Un | 1 232,04 € |
| INVO0014 | Steca XTS 1400-48, 48V DC, off-grid inverter, battery charger 750W cont., 1200W P30, 230V/50Hz AC | Un | 1 211,65 € |
| INVO0035 | Steca XTM 1500-12, 12V DC, off-grid inverter, battery charger, 1500W cont., 1500W P30, 230V/50Hz AC | Un | 2 105,31 € |
| INVO0036 | Steca XTM 2000-12, 12V DC, off-grid inverter, battery charger, 2000W cont., 2000W P30, 230V/50Hz AC | Un | 2 455,74 € |
| INVO0037 | Steca XTM 2400-24, 24V DC, off-grid inverter, battery charger, 2000W cont., 2400W P30, 230V/50Hz AC | Un | 2 105,31 € |
| INVO0038 | Steca XTM 3500-24, 24V DC, off-grid inverter, battery charger, 3000W cont., 3500W P30, 230V/50Hz AC | Un | 2 490,96 € |
| INVO0039 | Steca XTM 2600-48, 48V DC, off-grid inverter, battery charger, 2000W cont., 2600W P30, 230V/50Hz AC | Un | 2 105,31 € |
| INVO0040 | Steca XTM 4000-48, 48V DC, off-grid inverter, battery charger, 3500W cont., 4000W P30, 230V/50Hz AC | Un | 2 509,51 € |
| INVO0022 | Steca XTH 3000-12, 12V DC, off-grid inverter, battery charger, 2500W cont., 3000W P30, 230V/50Hz AC | Un | 3 693,34 € |
| INVO0023 | Steca XTH 5000-24, 24V DC, off-grid inverter, battery charger, 4000W cont., 5000W P30, 230V/50Hz AC | Un | 4 086,40 € |
| INVO0024 | Steca XTH 6000-48, 48V DC, off-grid inverter, battery charger, 5000W cont., 6000W P30, 230V/50Hz AC | Un | 4 612,97 € |

STECA Accessories Steca Off-grid

| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| Accessories for AJ inverters, 5 years warranty | | | |
| ACEO0026 | Steca JT 8, remote control for Steca AJ 1000-12 and AJ 2100-12 | Un | 45,34 € |
| ACEO0112 | Steca RCM-01, optional remote control for AJ 275-12 up to AJ 700-48 (surcharge) | Un | 62,10 € |
| Accessories for XTS / XTM / XTH inverters, 5 year warranty | | | |
| ACEO0042 | Steca RCC-02, Remote programming for XTH / XTM / XTS incl. 2m cable | Un | 215,04 € |
| ACEO0043 | Steca RCC-03, front display for XTender remote control centre with 2m cable | Un | 179,67 € |
| ACEO0114 | Steca Xcom-232i, RS232 interface for Steca Xtender with 2m RJ45 cable | Un | 162,47 € |
| ACEO0115 | Steca Xcom-LAN, remote monitoring via Ethernet for XTS/XTM/XTH | Un | 398,53 € |
| ACEO0116 | Steca Xcom-GSM, remote monitoring via GSM for XTS/XTM/XTH | Un | 392,80 € |
| ACEO0117 | Steca Xcom-SMS, remote monitoring via SMS for XTS/XTM/XTH | Un | 247,53 € |
| ACEO0118 | Steca Xcom-CAN, CAN interface for Steca Xtender with RJ45 cable 2m | Un | 162,47 € |
| ACEO0069 | Steca BSP 500, shunt battery regulator 500A with 5m cable | Un | 306,78 € |
| ACEO0070 | Steca BSP 1200, shunt battery regulator 1200A with 5m cable | Un | 331,63 € |
| INVO0025 | Steca XTH 8000-48, 48V DC, off-grid inverter, battery charger, 7000W cont., 8000W P30, 230V/50Hz AC | Un | 5 835,73 € |
| INVO0024 | Steca XTH 6000-48, 48V DC, off-grid inverter, battery charger, 5000W cont., 6000W P30, 230V/50Hz AC | Un | 4 612,97 € |

STECA PFFRIGORIFICO / CONGELADOR SOLAR
Arrefecimento mais rápido

| Item No. | Article | Unit | Price Un. |
|--|--|------|------------|
| Steca solar refrigerator / freezer, 2 year guarantee | | | |
| Ref0002 | Steca PF 166-H, 12/24V, 166 litres, R290, LED interior light | Un | 831,92 € |
| Ref0003 | Steca PF 240-H, 12/24V, 240 litres, R290, LED interior light | Un | 1 299,25 € |

STECA LED lamps LED 4, LED 6, LED 8, LED 12

| Item No. | Article | Unit | Price Un. |
|--------------------------------------|---|------|-----------|
| Steca DC LED Lamps, 2 years warranty | | | |
| ILU0008 | Steca LED 4W, Input 10-30V DC, 4W LED, 500 lm, 5700K | Un | 9,77 € |
| ILU0009 | Steca LED 6W, Input 10-30V DC, 6W LED, 600 lm, 5700K | Un | 11,83 € |
| ILU0010 | Steca LED 8W, Input 10-30V DC, 8W LED, 800 lm, 5700K | Un | 16,46 € |
| ILU0018 | Steca LED 12W, Input 10-30V DC, 12W LED, 1100 lm, 5700K | Un | 25,71 € |

STECA Lamps SOLSUM ESL 7,11

| Item No. | Article | Unit | Price Un. |
|--|---|------|-----------|
| Steca energy-saving lights, 2-year guarantee | | | |
| ILU0007 | Steca Solsum ESL, 7W, 12V (2700K ou 6400K) E27 | Un | 9,26 € |
| ILU0005 | Steca Solsum ESL, 11W, 12V (2700K ou 6400K) E27 | Un | 9,26 € |

Nota: Apenas disponíveis enquanto houver stock

PHOCOS Charge Controllers MPPT



| Item No. | Article | Unit | Price Un. |
|--|---|------|-----------|
| Phocos MPPT charge controllers, 5 year warranty | | | |
| CCA0135 | Phocos ECO T MPPT 85/15 , Maximum power point tracker 12/24 V, 15A, max. panel 50/85 V, caixa IP68, IP21 terminals, compatible with LiFePO4 batteries, 2-year datalogger, 5-year warranty | Un | 104,44 € |
| CCA0136 | Phocos CIS-N-MPPT-LED , Maximum power point tracker 12/24 V, 15A, max. panel 50/85 V, timer, IP68, compatible with 60 cell modules, 2 year datalogger, 5 year guarantee | Un | 167,51 € |
| CCA0010 | Phocos CIS N MPPT 85/15, 12/24V, 15A, Max. Panel 50/85V, IP68, compatible with 60 cell modules, datalogger 2 anos, 5 anos garantia | Un | 110,45 € |
| CCA0133 | Phocos CIS-N-MPPT-100/30 12/24V, 30A, IP68 | Un | 233,44 € |

PHOCOS Controllers PWM

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Phocos PWM charge controllers, 2/5 year warranty | | | |
| CCA0080 | Phocos Solar Charge Controller CML MPPT 50/10, 12/24V, 10A, LED Indicators, ROHS (EOL) | Un | 86,45 € |
| CCA0017 | Phocos Solar Charge Controller AC 06-2.2, 12 V (EOL) | Un | 17,04 € |
| CCA0018 | Phocos Solar Charge Controller AC 08-2, 12 V (EOL) | Un | 20,67 € |
| CCA0019 | Phocos AC solar charge controller 10-2.2, 12 V (EOL) | Un | 21,98 € |
| CCA0135 | ECO-N-MPPT-85/15 | Un | 104,44 € |
| CCA0136 | CIS-N-MPPT-LED | Un | 167,51 € |
| CCA0010 | CIS-N-MPPT-85/15 | Un | 110,45 € |
| CCA0133 | CIS-N-MPPT-100/30 | Un | 233,44 € |
| CCA0021 | Phocos Solar Charge Controller CM 04, 12 V, 4A, IP22, 2 year warranty | Un | 12,43 € |
| CCA0022 | Phocos Solar Charge Controller CM 10, 12 V, 10A, IP22, 2 year warranty | Un | 18,47 € |
| CCA0023 | Phocos Solar Charge Controller CML 05, 12 / 24 V, 5A, IP20, USB, 5 year warranty | Un | 19,74 € |
| CCA0025 | Phocos Solar Charge Controller CML-USB-10, 12 / 24 V, 10 A, IP20, USB, 5 year warranty | Un | 32,52 € |
| CCA0137 | Phocos Solar Charge Controller CML-USB-20, 12 / 24 V, 20 A, IP20, USB, 5 year warranty | Un | 48,29 € |
| CCA0014 | Phocos Solar Charge Controller ECO N-10, 12/24 V, 10 A, IP68, 5 year warranty | Un | 27,72 € |
| CCA0138 | Phocos Solar Charge Controller ECO-N-10-T, 12/24 V, 10 A, 30V/50V, IP68 box, IP21 terminals, 5 years warranty | Un | 40,86 € |
| CCA0139 | Phocos Solar Charge Controller ECO-N-20-T, 12/24 V, 20 A 30V/50V, IP68 box, IP21 terminals, 5 years warranty | Un | 56,07 € |
| CCA0031 | Phocos Solar Charge Controller CXNup10, USB Charger, 12/24 V, 10A, IP22, negative ground | Un | 62,36 € |
| CCA0032 | Phocos Solar Charge Controller CXNup20, USB Charger, 12/24 V, 20A, IP22, negative ground | Un | 81,72 € |
| CCA0033 | Phocos cSolar charge controller CXNup40, USB Charger, 12/24 V, 40A, IP22, negative ground | Un | 100,96 € |
| CCA0005 | Phocos Solar Charge Controller CIS N 10, 12/24V, 10A, IP68, 5 years warranty | Un | 42,60 € |
| CCA0007 | Phocos Solar Charge Controller CIS-N-20, 12/24V, 20A, IP68, 5 years warranty | Un | 61,53 € |
| CCA0034 | Phocos solar charge controller CIS-N-LED-1050, 20A, IP68, 5 year warranty | Un | 88,79 € |
| CCA0035 | Phocos solar charge controller CIS-N-LED-1400, 20A, IP68, 5 years warranty | Un | 88,79 € |
| CCA0036 | Phocos solar charge controller CIS-N-LED-2800, 20A, IP68, 5 years warranty | Un | 88,79 € |

PHOCOS AnyGrid Hybrid Inverter

| Item No. | Article | Unit | Price Un. |
|---|---|--------|------------|
| Hybrid Inverter Charger AnyGridtm Phocos, 2 years warranty | | | |
| INVO0234 | Phocos inverter Any-GridTM PSW-H-3KW-230/24V hybrid inverter charger, up to 9 units in parallel or 3-phase, compatible with lead acid and LiFePO4 batteries, IP21 | Un | 1 015,60 € |
| INVO0233 | Phocos inverter Any-GridTM PSW-H-5KW-230/48V hybrid inverter charger, up to 9 units in parallel or 3-phase, compatible with lead acid and LiFePO4 batteries, IP21 | Un | 1 119,06 € |
| INVO0240 | Phocos inverter Any-GridTM PSW-H-8KW-230/48V hybrid inverter charger, compatible with lead acid and LiFePO4 batteries, IP21 >Q3 | NEW Un | 1 598,35 € |
| INVO0241 | Phocos inverter Any-GridTM PSW-B-1KW-230/12V hybrid inverter charger, compatible with lead acid and LiFePO4 batteries, IP21 | NEW Un | 360,35 € |
| INVO0242 | Phocos Any-GridTM PSW-B-3KW-230/24V hybrid inverter charger, compatible with lead acid and LiFePO4 batteries, IP21 | NEW Un | 623,84 € |
| ACEO0216 | Any-Bridge™ IoT gateway for Remote Monitoring | NEW Un | 208,24 € |
| ACEO0207 | Phocos PSW-H-BAT-CABLE-PYLON-2 | Un | 9,43 € |

PHOCOS Off-Grid Inverters

| Item No. | Article | Unit | Price Un. |
|---|--|------|-----------|
| Phocos offgrid inverters, 2 years warranty | | | |
| INVO0003 | Phocos SI350-12230-1.0, 350W, 12V, 230V, off-grid inverter (EOL) | Un | 182,67 € |
| INVO0005 | Phocos SI700-12230-1.0, 700W, 12V, 230V, off-grid inverter (EOL) | Un | 395,79 € |

PHOCOS Accessories Controllers

For solar chargers
increase the functionality of your solar controller

| Item No. | Article | Unit | Price Un. |
|--|--|------|-----------|
| Accessories for Phocos solar controllers, 2 year warranty | | | |
| ACEO0062 | Phocos CIS-CU Infrared remote configuration unit for CIS family controllers | Un | 92,37 € |
| ACEO0219 | Phocos MXI-IR Infrared to USB/PC programming accessory for CIS | Un | 61,53 € |
| ACEO0225 | Phocos CMMsolid Remote LCD Display for CMLsolid30-R1 | Un | 38,69 € |
| ACEO0065 | Phocos MXI interface modular PC USB, conector MCU, CX, CXN, CXup, CXNup, CXNsolid, | Un | 61,53 € |
| ACEO0067 | Phocos MXI 232 Communication interface via RS232 | Un | 61,53 € |

GROWATT Off-Grid Inverters



| Item No. | Article | Unit | Price Un. |
|--|---|------|-----------|
| Growatt offgrid inverters, 2 years warranty | | | |
| INVO0235 | Growatt SPF 3000TL HVM-48 | Un | 430,36 € |
| INVO0236 | Growatt 5000 ES, with capacity Parallel | Un | 778,57 € |
| ACEO0212 | Growatt Wifi-F | Un | 35,71 € |

OUTBACK Solar Controllers



| Item No. | Article | Unit | Price Un. |
|--|--|------|------------|
| OUTBACK Solar Controllers, 2 years warranty | | | |
| CCA0082 | Outback FM 30, MPPT, 30A ,12/24V - 2 year warranty | Un | 253,44 € |
| CCA0083 | Outback FM 40, MPPT, 40A ,12/24V - 2 years warranty | Un | 305,10 € |
| CCA0002 | Outback FM60, MPPT, 60A ,12/24/48/60V - 5 year warranty | Un | 626,34 € |
| CCA0001 | Outback FM 80, MPPT, 80A 12/24/48/60V - 5 year warranty | Un | 682,84 € |
| CCA0069 | Outback EXTREME, MPPT, 80A ,12/24/48/60V - 5 year warranty | Un | 802,30 € |
| CCA0085 | Outback FM 100, MPPT, 100A, 24/36/48V - 5 year warranty | Un | 1 501,29 € |

OUTBACK FM30/FM40 Accessories

| Item No. | Article | Unit | Price Un. |
|--|--|------|-----------|
| Outback FM30/40 accessories, 2 year guarantee | | | |
| ACEO0073 | Outback Mate Micro, Display & Remote Control (for FM30/FM40) | Un | 68,57 € |
| ACEO0074 | Outback RST Micro, remote temperature sensor, (FM30/FM40) | Un | 13,71 € |
| ACEO0075 | Outback FM Micro Comm Cable, Communication cable USB to RS-485 (FM30/FM40) | Un | 12,00 € |

OUTBACK Inverter chargers FX and RADIAN Series

| Item No. | Article | Unit | Price Un. |
|--|--|------|------------|
| OUTBACK Inverters / Off Grid chargers, 2 year guarantee | | | |
| INVO0062 | Outback GFX 1312E - 12 V / 1300W / 70A | Un | 1 572,80 € |
| INVO0089 | Outback GFX 1424E - 24 V / 1400W / 40A | Un | 1 571,20 € |
| INVO0054 | Outback GFX 1448E - 48 V / 1400W / 20A | Un | 1 588,80 € |
| INVO0087 | Outback FX 2012ET - 12 V / 2000W, Inverter charger | Un | 1 811,20 € |
| INVO0063 | Outback FXR 2012E - 12 V / 2000W, Inverter charger | Un | 1 955,20 € |
| INVO0064 | Outback FXR 2024E - 24 V / 2000W, Inverter charger | Un | 1 992,00 € |
| INVO0053 | Outback FXR 2348E - 48 V / 2300W, Inverter charger | Un | 1 979,20 € |
| INVO0066 | Outback VFXR 2612E - 12 V / 2600W / 125A, Inverter charger | Un | 1 979,20 € |
| INVO0067 | Outback VFXR 3024E - 24V / 3000W , Inverter charger | Un | 2 000,00 € |
| INVO0068 | Outback VFXR 3048E - 48 V / 3000W / 45A, Inverter charger | Un | 2 006,40 € |
| INVO0083 | Outback GS3548E RADIAN 48V-3500VA, 50A , Inverter charger | Un | 2 780,80 € |
| INVO0082 | Outback GS7048E RADIAN 48V-7000VA, 115A ,Inverter charger | Un | 3 049,60 € |

OUTBACK Pre-Cabelled Systems

| Item No. | Article | Unit | Price Un. |
|--|--|------|-------------|
| OUTBACK inverters / Off Grid chargers, 2 year guarantee | | | |
| INVO0047 | Outback Flex Power FP1: VFXR3024E + 1xFM80, 24V/3KW (VFXR3024RE + FM80 + Mate + Hub + FNDC + RTS + FW-SP + IOB + GFDI) | Un | 4 631,39 € |
| INVO0069 | Outback Flex Power FP1: VFXR3048E + 1xFM80, 48V/3KW (VFXR3048E,FM80,MATE,HUB,FNDC,RTS,FW-SP,GFDI) | Un | 4 560,36 € |
| INVO0070 | Outback Flex Power FP2: 2xVFXR3024E, 24V/6KW | Un | 7 934,21 € |
| INVO0072 | Outback Flex Power FP2: 2x VFXR3024E + 2xFM80, 24V/6KW | Un | 9 298,29 € |
| INVO0071 | Outback Flex Power FP2: 2x VFXR3048E, 48V/ 6KW | Un | 7 727,59 € |
| INVO0073 | Outback Flex Power FP2: 2x VFXR3048E + 2xFM80, 48V/6KW | Un | 9 091,66 € |
| INVO0092 | Outback Flex Power FP3: 3x FXR2024E, 24V / 6KW | Un | 12 202,39 € |
| INVO0093 | Outback Flex Power FP3: 3x FXR2024E + 3xFM80, 24V/6KW | Un | 14 249,30 € |
| INVO0074 | Outback Flex Power FP3: 3x VFXR3024E, 24V/9KW | Un | 12 265,34 € |
| INVO0076 | Outback Flex Power FP3: 3x VFXR3024E + 3xFM80, 24V/9KW | Un | 14 312,26 € |
| INVO0075 | Outback Flex Power FP3: 3x VFXR3048, 48V/9KW | Un | 12 354,13 € |
| INVO0077 | Outback Flex Power FP3: 3x VFXR3048E + 3xFM80, 48V/9KW | Un | 14 402,66 € |
| INVO0094 | Outback Flex Power FP4: 4x FXR2348E, 24V/9.2KW | Un | 15 009,63 € |
| INVO0095 | Outback Flex Power FP4: 4x FXR2348E + 4xFM80, 24V/9.2KW | Un | 17 739,39 € |
| INVO0078 | Outback Flex Power FP4: 4x VFXR3048E, 48V/12KW | Un | 15 116,17 € |
| INVO0079 | Outback Flex Power FP4: 4x VFXR3048E + 4xFM80, 48V/12KW | Un | 17 845,93 € |

OUTBACK hybrid inverters/MPPT

Outback pre-assembled and pre-wired systems are designed to be quick and easy to install. All you have to do is install the mounting frame, fix the system to the wall, plug it in and the system is ready to go.

| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| OUTBACK hybrid inverters, 2 year guarantee | | | |
| INVS0033 | OutbackSPC III - 1500-24, 1500W / 24V / 60A / (max VOC: 400) / USB, RS232, RS485, Bluetooth, Dry contact | Un | 682,84 € |
| INVS0034 | Outback SPC III - 3000-24, 3000W / 24V / 80A / (max VOC: 500) / USB, RS232, RS485, Bluetooth, Dry contact | Un | 955,66 € |
| INVS0035 | Outback SPC III - 5000-48, 5000W / 48V / 80A / (max VOC: 500) / USB, RS232, RS485, Bluetooth, Dry contact | Un | 1 212,33 € |
| ACEO0208 | Outback SPC PC, for connecting SPC II units (single or three phase systems) | Un | 140,44 € |
| ACEO0209 | Outback SPC GPRS , GPRS box for remote monitoring (incl. Software) for SPC II & SPC III | Un | 213,09 € |
| ACEO0210 | Outback SPC Wifi , wifi box for remote monitoring (incl. software) (power supply not included) for SPC II & SPC III | Un | 213,09 € |
| ACEO0211 | Outback SPC Wifi S, wifi remote monitoring stick (incl. software) for SPC II & SPC III | Un | 166,27 € |

PRICE BATTERIES EXIDEGROUP : SUBJECT TO CHANGE WITHOUT NOTICE

EXIDE ENERSOL Batteries

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| BAT0008 | Liquid electrolyte 1.285 (1.000 ml) battery (EOL) | Un | 1,51 € |
| Exide Enersol batteries, 2 year guarantee | | | |
| BAT0273 | EnerSol 380 /120 2V | Un | 153,89 € |
| BAT0274 | EnerSol 490 /120 2V | Un | 179,42 € |
| BAT0275 | EnerSol 600 /120 2V | Un | 207,12 € |
| BAT0276 | EnerSol 720 /120 2V | Un | 232,46 € |
| BAT0277 | EnerSol 840 /120 2V | Un | 264,76 € |
| BAT0278 | EnerSol 950 /120 2V | Un | 283,15 € |
| BAT0279 | EnerSol 1050 /120 2V | Un | 309,04 € |
| BAT0280 | EnerSol 1110 /120 2V | Un | 334,06 € |

EXIDE Sonnenschein Powercycle batteries

PowerCycle is ideal for countries with severe weather conditions, and with unstable networks that require back up. This new dryfit® Gel battery allows operators to reduce maintenance, visits, electricity and diesel costs.

| Item No. | Article | Unit | Price Un. |
|---|---|------|-----------|
| Exide batteries Powercycle, 2 year warranty | | | |
| BAT0221 | Sonnenschein PowerCycle - GEL PC12/180 FT, 12 V , with Front Terminals configuration. | Un | 514,59 € |

EXIDE Batteries Sonnenschein dryfit Solar

| Item No. | Article | Unit | Price Un. |
|--|--|------|-----------|
| Exide Sonnenschein batteries, 1 year guarantee | | | |
| BAT0169 | Sonnenschein dryfit Solar 6,6 Ah 12V, enclosed, leak-proof gel battery | Un | 54,07 € |
| BAT0080 | Sonnenschein dryfit Solar 17Ah 12V, sealed, leak-proof gel battery | Un | 105,85 € |
| BAT0086 | Sonnenschein dryfit Solar 27Ah 12V, sealed, leak-proof gel battery | Un | 97,32 € |
| BAT0170 | Sonnenschein dryfit Solar 32Ah 12V, sealed, leak-proof gel battery | Un | 110,89 € |
| BAT0087 | Sonnenschein dryfit Solar 41Ah 12V sealed, leak-proof gel battery | Un | 123,53 € |
| BAT0088 | Sonnenschein dryfit Solar 60 Ah 12V sealed, leak-proof gel battery | Un | 163,94 € |
| BAT0089 | Sonnenschein dryfit Solar 85Ah 12V sealed, leak-proof gel battery | Un | 204,42 € |
| BAT0090 | Sonnenschein dryfit Solar 90Ah 12V sealed, leak-proof gel battery | Un | 215,86 € |
| BAT0084 | Sonnenschein dryfit Solar 130Ah 12V sealed, leak-proof gel battery | Un | 298,49 € |
| BAT0085 | Sonnenschein dryfit Solar 230Ah 12V sealed, leak-proof gel battery | Un | 457,55 € |

EXIDE Batteries Sonnenschein dryfit Solar Block

| Item No. | Article | Unit | Price Un. |
|--|--|------|-----------|
| Exide Sonnenschein batteries, 2 year guarantee | | | |
| BAT0083 | Sonnenschein dryfit Solar Block 60Ah 12V sealed, leak-proof gel battery | Un | 152,05 € |
| BAT0148 | Sonnenschein dryfit Solar Block 75Ah 12V sealed, leak-proof gel battery | Un | 212,26 € |
| BAT0091 | Sonnenschein dryfit Solar Block 100Ah 12V sealed, leak-proof gel battery | Un | 275,20 € |
| BAT0092 | Sonnenschein dryfit Solar Block 130Ah 12V sealed, leak-proof gel battery | Un | 333,12 € |
| BAT0093 | Sonnenschein dryfit Solar Block 185Ah 12V sealed, leak-proof gel battery | Un | 413,77 € |
| BAT0081 | Sonnenschein dryfit Solar Block 200Ah 6V sealed, leak-proof gel battery | Un | 220,57 € |
| BAT0082 | Sonnenschein dryfit Solar Block 330Ah 6V sealed, leak-proof gel battery | Un | 375,94 € |

EXIDE Sonnenschein OPzV maintenance-free batteries

| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| Exide Sonnenschein OPzV batteries, 2 year guarantee | | | |
| BAT0149 | Sonnenschein Elementos OPzV A602/295 2V | Un | 184,54 € |
| BAT0150 | Sonnenschein Elementos OPzV A602/370 2V | Un | 204,91 € |
| BAT0151 | Sonnenschein Elementos OPzV A602/440 2V | Un | 239,36 € |
| BAT0152 | Sonnenschein Elementos OPzV A602/520 2V | Un | 243,34 € |
| BAT0153 | Sonnenschein Elementos OPzV A602/625 2V | Un | 286,42 € |
| BAT0154 | Sonnenschein Elementos OPzV A602/750 2V | Un | 318,93 € |
| BAT0155 | Sonnenschein Elementos OPzV A602/850 2V | Un | 348,24 € |
| BAT0156 | Sonnenschein Elementos OPzV A602/1130 2V | Un | 459,23 € |
| BAT0157 | Sonnenschein Elementos OPzV A602/1415 2V | Un | 552,20 € |
| BAT0158 | Sonnenschein Elementos OPzV A602/1695 2V | Un | 641,60 € |
| BAT0159 | Sonnenschein Elementos OPzV A602/1960C 2V | Un | 763,01 € |
| BAT0160 | Sonnenschein Elementos OPzV A602/2600 2V | Un | 1 067,50 € |
| BAT0161 | Sonnenschein Elementos OPzV A602/3270 2V | Un | 1 371,18 € |
| BAT0147 | Sonnenschein Elementos OPzV A602/3920 2V | Un | 1 574,32 € |

EXIDE Batteries Maintenance OPzS blocks

| Item No. | Article | Unit | Price Un. |
|---|--|------|-----------|
| Exide batteries Classic OPzS blocks, 2 year guarantee | | | |
| BAT0171 | Classic 1 OPzS 50 Solar Bloco (82,7Ah/120h 12 V) | Un | 312,26 € |
| BAT0172 | Classic 1 OPzS 100 Solar Bloco 139,7Ah/120h 12 V) | Un | 386,89 € |
| BAT0173 | Classic 1 OPzS 150 Solar Bloco (210,0Ah/120h 12 V) | Un | 496,85 € |
| BAT0174 | Classic 1 OPzS 2000 Solar Bloco (294,0Ah/120h 6 V) | Un | 364,32 € |
| BAT0175 | Classic 1 OPzS 250 Solar Bloco (364,0Ah/120h 6 V) | Un | 436,66 € |
| BAT0176 | Classic 1 OPzS 300 Solar Bloco (417,0Ah/120h 6 V) | Un | 471,43 € |

EXIDE Maintance batteries OPzS elements

| Item No. | Article | Unit | Price Un. |
|--|---|------|------------|
| Exide Classic OPzV batteries, 2 year guarantee | | | |
| BAT0112 | Classic Elements OPzS Solar 190 Ah/120 2 v | Un | 126,12 € |
| BAT0113 | Classic Elements OPzS Solar 245 Ah/120 2 v | Un | 148,68 € |
| BAT0114 | Classic Elements OPzS Solar 305 Ah/120 2 v | Un | 173,33 € |
| BAT0115 | Classic Elements OPzS Solar 380 Ah/120 2 v | Un | 204,17 € |
| BAT0116 | Classic Elements OPzS Solar 450 Ah/120 2 v | Un | 220,29 € |
| BAT0117 | Classic Elements OPzS Solar 550 Ah/120 2 v | Un | 227,99 € |
| BAT0118 | Classic Elements OPzS Solar 660 Ah/120 2 v | Un | 255,53 € |
| BAT0119 | Classic Elements OPzS Solar 765 Ah/120 2V | Un | 285,36 € |
| BAT0120 | Classic Elements OPzS Solar 985 Ah/120 2 v | Un | 318,10 € |
| BAT0121 | Classic Elements OPzS Solar 1080 Ah/120 2 v | Un | 348,12 € |
| BAT0122 | Classic Elements OPzS Solar 1320 Ah/120 2 v | Un | 427,62 € |
| BAT0123 | Classic Elements OPzS Solar 1410 Ah/120 2 v | Un | 470,06 € |
| BAT0124 | Classic Elements OPzS Solar 1650 Ah/120 2 v | Un | 501,12 € |
| BAT0125 | Classic Elements OPzS Solar 1990 Ah/120 2 v | Un | 584,03 € |
| BAT0126 | Classic Elements OPzS Solar 2350 Ah/120 2 v | Un | 835,09 € |
| BAT0127 | Classic Elements OPzS Solar 2500 Ah/120 2 v | Un | 920,39 € |
| BAT0128 | Classic Elements OPzS Solar 3100 Ah/120 2 v | Un | 1 086,53 € |
| BAT0129 | Classic Elements OPzS Solar 3350 Ah/120 2 v | Un | 1 202,85 € |
| BAT0130 | Classic Elements OPzS Solar 3850 Ah/120 2 v | Un | 1 365,04 € |
| BAT0131 | Classic Elements OPzS Solar 4100 Ah/120 2 v | Un | 1 434,99 € |
| BAT0132 | Classic Elements OPzS Solar 4600 Ah/120 2 v | Un | 1 551,47 € |

Standard Delivery Time:

2V Classic OPzS Solar elements: 6 to 8 weeks

Enersol 2V elements - 3 to 5 weeks

2V elements Sonnenschein OPzV A602 Solar - 10 to 12 weeks

12V Sonnenschein Solar Battery and Solar Block - rotating stock

Powerfit S100 / S100L Battery - 2 weeks

These are indicative deadlines, subject to confirmation at the time of order

PYLONTECH LV LITHIUM Batteries

The US2000B is ideal for photovoltaic systems with accumulation, compatible with brands such as Growatt SPH, Steca, Victron, SoleX, Solis, VOltronic, Sungrow, among others.



| Item No. | Article | Unit | Price Un. |
|---|--|------|------------|
| US2000B Plus batteries, 7 years warranty, with online registration + 3 years | | | |
| BAT0239 | Pylontech lithium battery US2000B Plus , 48V, modular (2.5kWh), up to 5Kw. Nominal/utility capacity 2400kWh/2200kWh. Communication RS232, Rs485, CAN. UN 3480 Lithium-ion battery, class 9 | Un | 1 028,29 € |
| BAT0266 | Pylontech lithium battery US3000B , (48V 74Ah), modular (3.5kWh), up to 7.5Kw. Rated/usable capacity 3400kWh/3200kWh. Communication RS232, Rs485, CAN. Design life 10+years, No. cycles >4500, 25°C. UN 3480 Lithium-ion battery pack, class 9 | Un | 1 473,84 € |
| BAT0220 | Pylontech Communication HUB LV-Hub | Un | 525,71 € |
| BAT0219 | Pylontech cable set (battery-inverter) for LV and HV | Un | 17,95 € |
| BAT0214 | Pylontech Rack Máximo Max 3xUS2000 ou 2xUS3000; Max 2xH48050 + 1 BMS SC500 | Set | 202,07 € |
| BAT0301 | Battery Rack 6 U S2000 | Un | 315,43 € |
| BAT0215 | Pylontech Rack up to 12 battery modules | Un | 419,71 € |

GROWATT LITHIUM HV Batteries

Ideal for photovoltaic systems with accumulation, compatible with three-phase hybrid Growatt



| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| Growatt batteries, 10 year guarantee, with online registration | | | |
| NOVO | | | |
| BAT0289 | Growatt ARK 2.5H , High voltage Battery of 2.56kwh | Un | 1 077,62 € |
| BAT0290 | Growatt BMS HVC 60050-A1, BMS ARK high voltage p/ SPH BH3 | Un | 968,57 € |
| BAT0304 | Growatt BMS BDC 95045-A1, BMS ARK high voltage p/ -XH | Un | 1 017,00 € |
| BAT0292/0302 | Growatt ARK 2.5H Cable | Un | 42,14 € |
| BAT0293 | Growatt ARK 2.5H Base | Un | 42,14 € |
| BAT0303 | Growatt ARK 2.5 XH Base | Un | 42,14 € |

HUAWEI LITHIUM batteries HUAWEI LUNA 2000 HV

Ideal for photovoltaic systems with accumulation, compatible with Huawei



| Item No. | Article | Unit | Price Un. |
|---|---|------|------------|
| Huawei batteries, 10 year warranty | | | |
| NOVO | | | |
| BAT0285 | Huawei Battery Module LUNA-2000-5-E0; 5,10,15kWh. Parallel connection up to 30kWh | Un | 2 467,38 € |
| BAT0286 | Huawei Power Module DC/DC LUNA2000-5KW-C0 | Un | 1 111,58 € |
| BAT0287 | Huawei LUNA wall mount bracket | Un | 109,12 € |
| BAT0294 | Huawei Back UP 1-phase | Un | 518,40 € |
| BAT0295 | Huawei Back UP 3-phase | Un | 1 027,20 € |

One DC/DC is required for each installation, but if > 15 kWh 2 are required per installation

BYD Premium Lithium batteries

For photovoltaic systems with storage, compatible with inverters, Kostal, SMA and others



| Item No. | Article | Unit | Price Un. |
|---|--|------|------------|
| BYD Battery-Box LV batteries, 10 year warranty | | | |
| BAT0256 | BYD Premium battery module HVS 2.56 kWh - 102.4 V (requires BCU+Base Bat.0258), Min. 2x, max. 5x. | Un | 1 614,74 € |
| BAT0257 | BYD Premium battery module HVM 2.76 kWh - 51.2 V (requires BCU+Base Bat.0258), Min. 3x, max. 8x. | Un | 1 631,46 € |
| BAT0258 | BYD Base+BCU para BYD Premium HVS / HVM | Un | 710,16 € |
| BAT0259 | Módulo de batería BYD Premium LVL 15,4 kWh (requer BMU Bat.0260) | Un | 8 129,64 € |
| BAT0260 | BYD BMU for BYD Premium LVL , additional to PDU -Base- | Un | 213,30 € |
| BAT0261 | BYD Premium battery module LVS 4kWh (requires PDU -Base- and BMU), Min. 1x, max. 4x. | Un | 2 211,55 € |
| BAT0262 | BYD PDU (Base) para Battery Box Premium LVS (requere a BMU Bat.02572 e /dos módulo/s LVS Bat.0261 | Un | 494,46 € |
| BAT0288 | BYD Connector 2- for 50mm2 cable for BYD LVS* | Un | 36,50 € |
| BAT0299 | BYD Connector 2- for 70mm2 cable for BYD LVS* | Un | 36,50 € |

* Preço em conjunto com bateria

LITHIUM TURBO ENERGY LV batteries

It is ideal for photovoltaic systems with accumulation, compatible with brands such as Growatt SPH, Steca PLI, Victron, SoleX, Solis, VOltronic, among others.

| Item No. | Article | Unit | Price Un. |
|---|--|---------|------------|
| US2000B Plus batteries, 7 years warranty, with online registration + 3 years | | | |
| BAT0310 | Pylontech by Turbo Energy lithium battery 48V 2,4kWh (cada 2 baterias - incl 1 cabo) | NE W Un | 1 026,79 € |
| BAT0306 | Turbo Energy lithium battery 48V 2,4kWh | NE W Un | 887,14 € |
| BAT0307 | Turbo Energy lithium battery 24V 2,24kWh | NE W Un | 936,43 € |
| BAT0308 | Turbo Energy cable KIT 2,4 | NE W Un | 65,14 € |
| BAT0309 | Turbo Energy cable KIT 2,24 | NE W Un | 89,57 € |

SOLAR CABLE, PLUGS



| Item No. | Article | Unit | Price Un. |
|----------|---|------|--------------|
| CAB0061 | Cape Topsolar PV ZZ-F (AS) 1x4 VM (R100) | Mt | 0,82 € |
| CAB0062 | Cape Topsolar PV ZZ-F (AS) 1x4 PT (R100) | Mt | 0,82 € |
| CAB0063 | Cape Topsolar PV ZZ-F (AS) 1x6 VM (R100) | Mt | 1,17 € |
| CAB0064 | Cape Topsolar PV ZZ-F (AS) 1x6 PT (R100) | Mt | 1,17 € |
| CAB0067 | Plug Type MC4 4-6mm2 | Un | 0,82 € |
| CAB0068 | Socket Type MC4 4-6mm2 | Un | 0,82 € |
| CAB0069 | Connection 2 x Female and 1 x Male Distribution Type MC | Un | 4,40 € |
| CAB0070 | Connection Distribution 2 x Male and 1 x Female Type MC | Un | 4,40 € |
| CAB0080 | SET. (M+F) SY-C4G, 10 mm2) socket + plug set MC4 for 10 mm cable | Un | 4,84 € |
| CAB0022 | MC KST3 I Plug (type3) for cable diameters 2-4mm². | Un | 1,78 € |
| CAB0033 | MC KBT3 I socket (type 3) for cable diameters 2-4mm². | Un | 2,02 € |
| CAB0023 | MC KST3 II (type 3) plug for cables with 2-4mm² diameter | Un | 1,78 € |
| CAB0034 | MC KBT3 II socket (type 3) for cable diameters 2-4mm². | Un | 2,02 € |
| CAB0024 | MC KST3 III (type3) plug for cables with 2-4mm² diameter | Un | 1,89 € |
| CAB0035 | MC KBT3 III socket (type3) for cable diameter 2-4mm². | Un | 2,13 € |
| CAB0025 | MC KST3/6 III (type3) plug for cables with 6mm² diameter | Un | 2,10 € |
| CAB0036 | MC socket KBT3/6 III (type 3) for cable diameter 6mm². | Un | 2,41 € |
| Fer0010 | Pliers MC4/SY-CT01-2,5/4/6 mm2 | Un | sob consulta |

METERS, MODEMS



| Item No. | Article | Unit | Price Un. |
|--|---|------|-----------|
| Itron equipment, 2 year guarantee | | | |
| MON0067 | Itron Kit Contador ACE SL6000 (without discount) | Un | 367,81 € |
| MON0121 | Itron Kit Contador ACE SL7000 (without discount) | Un | 367,81 € |
| MON0128 | Contador Itron SL7000 X230 - Para Contagem Indirecta (TI's not included) (without discount) | Un | 443,04 € |
| MON0129 | Itron Counter SL7000 Y230 - Modem not included (no discount) | Un | 254,13 € |
| MON0081 | Itron Counter ACE SL6000, Modem N included (SD) | Un | 254,13 € |
| MON0126 | Modem Itron (without discount) | Un | 120,05 € |
| MON0052 | Modem Itron- Janz compatibility (without discount) | Un | 120,05 € |
| MON0053 | Siemens Itron-compatible Modem (no discount) | Un | 120,05 € |

OWL Monitoring of Energy, Consumption and PV Production



| Item No. | Article | Unit | Price Un. |
|---------------------------------|--|------|-----------|
| OWL equipment, 2 year guarantee | | | |
| MON0200 | OWL Micro + Monitor ; single phase, energy meters | Un | 63,96 € |
| MON0201 | OWL Micro + three-phase, Standard Sensor, energy meters | Un | 82,98 € |
| MON0202 | OWL Micro + three-phase, L-Sensor, energy meters | Un | 105,62 € |
| MON0118 | OWL+USB Monitor + USB Connectivity; single-phase, energy meter | Un | 79,18 € |
| MON0113 | OWL+USB Monitor + USB Connectivity; single-phase, energy meter | Un | 98,52 € |
| MON0119 | OWL+USB Small Business Pack, three-phase L; energy meters | Un | 125,53 € |
| MON0117 | OWL Intuition-pv ; single-phase energy meter, incl. 2 standard sensors (<71A, 10mm dia.) | Un | 120,81 € |
| MON0122 | OWL Intuition-pv ; three-phase energy meter, solar monitoring pv | Un | 134,24 € |
| MON0114 | OWL Intuition-lc Std ; three-phase energy meter, incl. standard sensor (<71A, 10mm dia.) | Un | 125,54 € |
| MON0115 | OWL Intuition-lc Lge ; three-phase energy meter, incl. Large sensor (<200A, 17mm dia.) | Un | 166,77 € |
| MON0116 | OWL Intuition-e ; single-phase energy meter, incl. standard sensor (<71A, 10mm dia.) | Un | 108,04 € |
| MON0203 | Sensores OWL Padrão S | Un | 13,11 € |
| MON0204 | OWL Sensores Large L | Un | 20,06 € |
| MON0120 | OWL Network OWL Gateway Pack | Un | 73,62 € |
| MON0205 | OWL PV Y Cable Kit | Un | 26,91 € |
| MON0207 | OWL Intuition 3 channel transmitter | Un | 39,03 € |

MONITORING and Control Heating

| Item No. | Article | Unit | Price Un. |
|---------------------------------|--|--------|-----------|
| OWL equipment, 2 year guarantee | | | |
| TMON0001 | OWL intuition- c Room sensor only | NEW Un | 87,20 € |
| TMON0002 | OWL intuition- h tank Sensor only | NEW Un | 93,21 € |
| TMON0003 | OWL intuition- cw Relay Unit only | NEW Un | 89,20 € |
| TMON0004 | OWL Intuition-c Heating control - wired thermostat | NEW Un | 155,24 € |
| TMON0005 | OWL Intuition-cw Heating control - wireless thermostat | NEW Un | 244,42 € |
| TMON0006 | OWL Intuition-h Heating and hot water control | NEW Un | 248,43 € |
| TMON0007 | OWL Intuition-hw Heating and hot water control-wireless thermostat | NEW Un | 337,63 € |
| TMON0008 | OWL Intuition-hpw (Heat Pump Control) | NEW Un | 330,52 € |

SOLARLOG Energy, Consumption and Production Management and Control



| Item No. | Article | Unit | Price Un. |
|---------------------------|--|------|------------|
| SolarLog Equipment | | | |
| MON0101 | SolarLog CT 100A-o (EOL) | Un | 27,43 € |
| MON0040 | SolarLog 300 (Standard). Up to 15 kWp , extendable up to 30 kWp (EOL) | Un | 422,54 € |
| MON0033 | SolarLog 1200 (Standard) .Up to 100 kWp , extendable up to 250 kWp (EOL) | Un | 708,70 € |
| MON0099 | SolarLog 1200 Meter . Até 100 kWp , extensível até 250 kWp (EOL) | Un | 805,53 € |
| MON0135 | Solar-Log 50 Gateway. For up to 15 kWp; Set of 6 units; price per unit; without power supply | Un | 168,29 € |
| MON0136 | SolarLog - Solar-Log Base 15. For up to 15 kWp plant size; extendable up to 30 kWp; without power supply | Un | 483,08 € |
| MON0137 | SolarLog - Solar-Log Base 100. For up to 100 kWp plant size; extendable up to 250 kWp; without power supply | Un | 846,29 € |
| MON0138 | SolarLog - Solar-Log Base 2000. For up to 2000 kWp plant size; without power supply | Un | 1 209,50 € |
| MON0139 | SolarLog Mod I/O. Connection for Power Management | Un | 192,50 € |
| MON0140 | SolarLog Mod 485. Interface Expansion Module | Un | 374,11 € |
| MON0135 | Gateway Solar-Log 50. For up to 15 kWp; Set of 6 units; price per unit; without power supply | Un | 103,30 € |
| MON0055 | SolarLog SensorBox Professional. Incl. radiation and panel sensor, no connectivity for wind and room temperature sensor | Un | 464,42 € |
| MON0083 | SolarLog wind sensor for connection to SensorBox Plus | Un | 397,88 € |
| MON0084 | SolarLog room temperature sensor for connection to SensorBox Plus | Un | 158,36 € |
| MON0085 | SolarLog - SensorBox Professional Plus. Incl. radiation and panel sensor and connection for wind and room temperature sensor | Un | 521,72 € |
| MON0142 | SolarLog - Solar-Log™ Smart Relais Station 3x16A. Ethernet connection; 16 A measuring and controlling | Un | 568,79 € |
| MON0125 | SolarLog Smart Home Relay Box | Un | 331,35 € |
| MON0167 | SolarLog - Solar-Log™ PRO2. Mod; single phase energy meter; 100A; MID; RS485 | Un | 103,30 € |
| MON0141 | SolarLog - Solar-Log™ PRO1. Mod; single phase energy meter; MID; RS485 | Un | 155,60 € |
| MON0004 | SolarLog - Solar-Log™ PRO380. Mod; Three-phase energy meter; MID; RS485 | Un | 198,28 € |
| MON0005 | SolarLog CT PRO380-CT 250A c/ núcleo aberto 18mm diam. max. inclui cabos 2.5m | Un | 143,72 € |
| MON0015 | Solar-Log™ PRO380-CT 500A Measuring transformer | Un | 33,27 € |
| MON0016 | Solar-Log™ PRO380-CT 250A Measuring transformer | Un | 31,94 € |
| MON0017 | Solar-Log™ PRO380-CT 100A Measuring transformer | Un | 33,27 € |
| MON0018 | SolarLog PRO380-CT 500A , w/ open core 18mm diam. max. includes 2.5m cables | Un | 166,34 € |
| MON0019 | Solar-Log™ PRO380-CT 100A w/ open core 18mm diam. max. includes 2.5m cables | Un | 145,05 € |
| MON0020 | Solar-Log™ PRO380-CT 500A, Class 0,5, Measuring transformer | Un | 171,66 € |
| MON0021 | Solar-Log™ PRO380-CT 250A, Class 0,5, Measuring transformer | Un | 171,66 € |
| MON0028 | SolarLog PRO380-CT, transformer connected meter, RS485, 3 fases | Un | 286,10 € |
| MON0074 | SolarLog PRO380-CT 100A , Class 0,5 Measuring transformer | Un | 211,58 € |
| MON0144 | SolarLog - Network cable 1 meter. Cat5; RJ45 | Un | 17,00 € |
| MON0145 | SolarLog - Network cable 2 meter. Cat5; RJ45 | Un | 17,00 € |
| MON0146 | SolarLog - Network cable 5 meter. Cat5; RJ45 | Un | 20,92 € |
| MON0147 | SolarLog - Network cable 10 meter. Cat5; RJ45 | Un | 23,54 € |
| MON0148 | SolarLog - Network cable 15 meter. Cat5; RJ45 | Un | 30,07 € |
| MON0149 | SolarLog - Network cable 20 meter. Cat5; RJ45 | Un | 37,92 € |
| MON0046 | SolarLog Modulo de Comunicação SMA (RS485) para SB 3000/4000/5000TL-20 | Un | 159,69 € |
| MON0150 | SolarLog - Wireless Kit Netgear | Un | 71,92 € |
| MON0153 | SolarLog - Solar-Log™ - installation box for outdoor use version 2, Without power socket with mounting plate; transparent; dim. 300x600x132mm; IP65 | Un | 150,37 € |
| MON0088 | SolarLog - Special Piggy Back (RS485) for SMA inv. – only for Solar-Log™ systems. Only for Solar-Log™ systems (not to be used for all SMA inverters; please check compatibility) | Un | 76,37 € |
| MON0089 | SolarLog Utility Meter (RS485) para medição de tensão U para controlo Q (U) | Un | 783,24 € |
| Var0018 | AC ELWA-E | Un | 891,58 € |
| Mon0168 | SolarLog - VPN LAN Router. Including configuration for Modbus TCP; Direct Marketing | Un | 390,96 € |
| Mon0169 | SolarLog - VPN Mobile Router (LTE). Including configuration for Modbus TCP; Direct Marketing | Un | 639,40 € |
| MON0155 | SolarLog - Solar-Log power supply Gateway Solar-Log 50 / Base Power Supply | Un | 20,92 € |
| MON0156 | SolarLog Gateway Solar-Log 50 / Base DIN Rail Power Supply | Un | 20,92 € |
| MON0157 | SolarLog - Solar-Log™ PM Package 1 | Un | 1 384,72 € |
| MON0158 | SolarLog - Solar-Log™ PM Package 2 | Un | 1 960,05 € |
| MON0159 | SolarLog - Solar-Log™ PM Package 3 | Un | 2 326,17 € |
| MON0160 | SolarLog - Solar-Log™ PM Package 4 | Un | 1 672,38 € |
| MON0161 | SolarLog - Solar-Log™ PM Package 5 | Un | 2 404,62 € |
| MON0162 | SolarLog - Solar-Log™ PM Package 6 | Un | 1 633,16 € |
| MON0163 | SolarLog - Solar-Log™ PM Package 7 | Un | 2 404,62 € |
| MON0164 | SolarLog - Solar-Log™ PM Package 8 | Un | 1 633,16 € |
| MON0165 | SolarLog - Solar-Log™ PM Package 9 | Un | 2 156,19 € |

Maintenance and Control

Teste a sua instalação. Ferramentas essenciais para O&M:

- IV Curve
- corrente curto-circuito
- Open circuit voltage
- Certificates



| Item No. | Article | Unit | Price | Un. |
|--|--|------|-------|--------------|
| Seaward equipment, 2 year guarantee | | | | |
| Fer0017 | Seaward PV200, performance tests: open circuit voltage, short circuit current and insulation resistance and IV Curve | Un | | upon request |
| Fer0005 | Seaward Solar test kit PV200 (PV200, SS200R+bracket) | Un | | upon request |
| Fer0002 | Seaward Solar test kit PV200 (PV200, SS200R, bracket+ SolarCerts) | Un | | upon request |
| Fer0025 | Seaward PV Installation Test Kit PV150,), performance tests: open circuit voltage, short circuit current and insulation resistance | Un | | upon request |
| Fer0026 | Seaward Solarlink Test Kit (PV150+SS200R) | Un | | upon request |
| Fer0022 | Seaward Solar Survey 100, irradiation measurement, for photovoltaic and thermal | Un | | upon request |
| Fer0023 | Seaward Solar Survey 200R, irradiation measurement, for photovoltaic and thermal, data logger and USB interface | Un | | upon request |
| Fer0024 | Seaward Solar Power Clamp. Power analyzer designed to enable efficiency measurements, troubleshooting and maintenance of photovoltaic systems. | Un | | upon request |
| Fer0028 | Seaward SolarCerts Elements Software | Un | | upon request |
| Fer0029 | Seaward AC/DC Current Clamp | Un | | upon request |
| Fer0030 | Seaward SolarTag-Installation Labels | Un | | upon request |
| Fer0031 | Seaward SolatTag-DC Cable Labels | Un | | upon request |
| Fer0032 | Seaward MC3 Test Lead Set | Un | | upon request |
| Fer0033 | Seaward MC4 Test Lead set (red lead fused; black non-fused) | Un | | upon request |
| Fer0034 | Seaward Sunclix Test Lead Set | Un | | upon request |
| Fer0035 | Seaward Fused Test Lead (fused) | Un | | upon request |
| Fer0036 | Seaward Suction Mount PV Module Temperature Sensor/Probe | Un | | upon request |
| Fer0037 | Seaward PV Inspection reports- especificator | Un | | upon request |
| Fer0038 | Seaward PV Inspection Report Array Report Pad | Un | | upon request |
| Fer0039 | Seaward PV Inspection Report Array Report Pad Certification Certificate Pad | Un | | upon request |
| Fer0040 | Seaward Pack de 3 PV Test Reports & Certification Pads | Un | | upon request |
| Fer0041 | Seaward PV Lead Set w/ Terminations for MC3 and MC4 (for user connection of applicable connectors) | Un | | upon request |
| Fer0042 | Seaward MC4 Test Leads (Red & Black) w/ test probes (adaptable for Crocodile clip use) | Un | | upon request |
| Fer0043 | Seaward MC4 Test Lead, fused (red only) | Un | | upon request |
| Fer0044 | Seaward Earth Continuity Test Lead Set (non-fused) | Un | | upon request |
| Fer0045 | Seaward Solar Power Clamp Lead Set | Un | | upon request |