



SOLENSO

THREE PHASE HYBRID INVERTER

ISL.T_5000/6000/8000/10000W



HIGH YIELD

- Max efficiency 98.4%, Battery efficiency 98%
- Max. Charge / Discharge Current 50A
- Reasonable energy control to increase the proportion of spontaneous use



HIGH RELIABILITY

- With BMS system to ensure high battery life
- Natural cooling design



INTELLIGENT MAINTENANCE

- Compatible with lead-acid batteries and lithium battery energy storage systems
- Remote configuration and upgrade

| Model | ISL.T_5000W | ISL.T_6000W | ISL.T_8000W | ISL.T_10000W |
|---|-------------|-------------|---|--------------|
| Efficiency | | | | |
| Max. efficiency (PV to AC) | 98.2% | 98.2% | 98.4% | 98.4% |
| Eur. efficiency (PV to AC) | 97.2% | 97.2% | 97.9% | 97.9% |
| Max. efficiency (BAT) | | | 98.0% | |
| Input (PV) | | | | |
| MAX PV Power (W) | 8000 | 9000 | 12000 | 15000 |
| Max PV voltage (V) | | | 1000 | |
| Max input current (input A/input B) (A) | 15/22 | 15/22 | 30/22 | 30/22 |
| Max short current (input A/input B) (A) | | 20/30 | | 40/30 |
| MPPT voltage range (V) | | | 160-950 | |
| No. of MPPT trackers | | | 2 | |
| String per MPP tracker | 1+1 | | | 2+1 |
| Input (BAT) | | | | |
| Compatible battery type | | | Lithium-ion / Lead-acid | |
| Nominal battery voltage (V) | | | 200-600 | |
| Battery voltage range (V) | | | 150-600 | |
| Max. charge/discharge current (A) | 25/25 | 25/25 | 2*25/2*25 | 2*25/2*25 |
| Max. charge/discharge power (W) | 8000/5200 | 9000/6300 | 12000/10500 | 15000/10500 |
| Lithium battery charge curve | | | Self-adaption to BMS | |
| Output (Grid) | | | | |
| Nominal AC output power (W) | 5000 | 6000 | 8000 | 10000 |
| Max. AC output apparent power (VA) | 5500 | 6600 | 8800 | 10000 |
| Max. AC output power (PF=1) (W) | 5500 | 6600 | 8800 | 10000 |
| Max. AC output current (A) | 3*8.3 | 3*10 | 3*13.3 | 3*15.2 |
| Rated AC voltage (V) | | | 380/400V | |
| AC voltage range (V) | | | 277-520 (adjustable) | |
| Rated grid frequency (Hz) | | | 50/60 | |
| AC frequency range (Hz) | | | 45-55/55-65 (adjustable) | |
| Grid connection | | | Three phase | |
| Power factor | | | >0.99 @rated power (adjustable 0.8 LG - 0.8 LD) | |
| THDI | | | <3% | |
| Output (Back up) | | | | |
| Nominal output voltage (V) | | | 380/400V | |
| Nominal output frequency (Hz) | | | 50/60 | |
| Nominal output power (W) | 5000 | 6000 | 8000 | 10000 |
| Nominal output current (A) | 3*7.6 | 3*9.1 | 3*12.2 | 3*15.2 |
| Transfer time (ms) | | | 10 (typ) / 20 (max) | |
| THDV | | | <3 (R Load), 5 (RCD Load) | |
| Protection | | | | |
| Anti-islanding protection | | | Support | |
| AC overcurrent protection | | | Support | |
| AC short circuit protection | | | Support | |
| AC over-voltage protection | | | Support | |
| Surge Arrester | | | DC Type2, AC Type2 | |
| Insulation detection | | | Support | |
| GFCI | | | Support | |
| AFCI | | | Optional | |
| RSD | | | Optional | |
| General | | | | |
| Max. operation altitude (m) | | | 4000 | |
| Noise emission (dB) | | | | |
| Ingress protection degree | | | IP65 | |
| Operating temperature range (°C) | | | -25~45 | |
| Relative humidity (%) | | | 0~100 | |
| Cooling concept | | | Natural Cooling | |
| Mounting | | | Wall bracket | |
| Dimensions (W*H*D) | | | 450mm*550mm*175mm | |
| Weight (kg) | 20 | | | 25 |
| PV connection way | | | MC4 / H4 | |
| Battery connection way | | | Dedicated DC connector | |
| HMI & COM | | | | |
| Display | | | LED+APP (Bluetooth) | |
| Communication interface | | | BMS (CAN/RS485), WiFi/GPRS/4G/Ethernet (optional), DI (DRM/RCR) / Meter (RS485), 1*DO, USB (Firmware upgrade) | |
| Certification | | | | |
| Grid | | | IEC 61727, IEC 62116, EN 50549-1, VDE 4105, AS 4777, CEI 0-21, G98 | |
| Safety | | | IEC62109-1&2, IEC62040-1, IEC62477-1 | |
| EMC | | | IEC/EN 61000-6-3, IEC 61000-3-11, IEC 61000-3-12 | |
| Warranty (years) | | | 5/10 (optional) | |

Remarks:

- The range of output voltage and frequency may vary depending upon different grid codes.
- Specifications are subject to change without advance notice.