

Three phase inverters 3 to 6 kW

ASW LT-G2-A Series



Models:

ASW3K-LT-G2-A

ASW4K-LT-G2-A

ASW5K-LT-G2-A

ASW6K-LT-G2-A



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- 16 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

ASW 3K-LT-G2-A

ASW 4K-LT-G2-A

ASW 5K-LT-G2-A

ASW 6K-LT-G2-A

| | ASW 3K-LT-G2-A | ASW 4K-LT-G2-A | ASW 5K-LT-G2-A | ASW 6K-LT-G2-A | |
|-------------------------|---|---|----------------|----------------|-------------|
| Input (DC) | Max. PV array power | 4500 Wp STC | 6000 Wp STC | 7500 Wp STC | 9000 Wp STC |
| | Max. input voltage | 1100 V | | | |
| | MPP voltage range / rated input voltage | 150 V to 1000 V / 630 V | | | |
| | Min. input voltage | 125 V | | | |
| | Initial. feed-in voltage | 180 V | | | |
| | Max. operating input current | 16 A / 16 A | | | |
| | Max. short circuit current | 25 A / 25 A | | | |
| | No. of independent MPPT inputs / strings per MPPT input | 2 / A :1 ; B : 1 | | | |
| Output (AC) | Rated active power | 3000 W | 4000 W | 5000 W | 6000 W |
| | Rated apparent Power | 3000 VA | 4000 VA | 5000 VA | 6000 VA |
| | Max. apparent power | 3000 VA | 4000 VA | 5000 VA | 6000 VA |
| | AC nominal voltage | 220 V / 380 V 230 V / 400 V 240 V / 415 V | | | |
| | AC voltage range | 160 V to 300 V | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | |
| | Nominal output current | 4.4A | 5.8A | 7.3A | 8.7A |
| | Max. output current | 4.8 A | 6.4 A | 8.0 A | 9.6 A |
| | Adjustable power factor range | 0.8 leading to 0.8 lagging | | | |
| | Feed-in phases | 3 / 3-N-PE | | | |
| | Harmonic distortion (THD) at rated output | < 3 % | | | |
| Efficiency & Protection | Max. efficiency / European efficiency | 98.3 % / 97.9 % | | | |
| | DC Switch | ● | | | |
| | Ground fault monitoring / grid monitoring | ● / ● | | | |
| | DC reverse polarity protection / AC short circuit protection | ● / ● | | | |
| | All-pole-sensitive residual-current monitoring unit | ● | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC : III ; DC : II | | | |
| | Surge protection | ● / Type II | | | |
| General data | Dimensions (W / H / D) | 503 / 435 / 183 mm | | | |
| | Weight | 16 kg | | | |
| | Operating temperature range | -25°C ... +60°C | | | |
| | Self-consumption (at night) | < 1 W | | | |
| | Topology | Non-isolated | | | |
| | Cooling concept | Natural Convection | | | |
| | Degree of protection (according to IEC 60529) | IP66 | | | |
| | Climatic category (according to IEC 60721-3-4) | 4K4H | | | |
| | Max. permissible value for relative humidity (non-condensing) | 100% | | | |
| Max. operating altitude | 3000 m | | | | |
| Features | DC connection | Phoenix Contact | | | |
| | AC connection | Plug-in connector | | | |
| | Mounting type | Wall-mount bracket | | | |
| | LED indicators (Status / Fault / Communication) | ● | | | |
| | Communication interface ^{1&2} | Wi-Fi / 4G / RS485 (Optional) | | | |
| | Country of Manufacture | China | | | |
| | Certificates and approvals (more available on request) | CE, EN50549, G98/99, VDE-AR-N4105, AS/NZS 4777, C10/C11, VFR 2014 & UTE C15, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, NB/T 32004 | | | |

● Standard features / ○ optional features / – not available

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

2- DRED supported with RS485 communication for Australia & New Zealand

Data at nominal conditions. All information is subject to change.

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