

ASW S-G2 Series



Models:

- ASW3000-S-G2
- ASW3680-S-G2
- ASW4000-S-G2
- ASW5000-S-G2
- ASW6000-S-G2



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP66 rated design for outdoor use



User-friendly

- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- ShadeSol shadow management
- Support anti-backflow function
- 2 MPPTs for flexible PV array design

Technical Datasheet

| | ASW3000-S-G2 | ASW3680-S-G2 | ASW4000-S-G2 | ASW5000-S-G2 | ASW6000-S-G2 | |
|---|---|--|--------------|--------------|--------------|---------|
| Input (DC) | Max. PV array power | 4500 Wp STC | 5520 Wp STC | 6000 Wp STC | 9000 Wp STC | |
| | Max. input voltage | 600 V | | | | |
| | MPP voltage range / rated input voltage | 60 V - 560 V / 360 V | | | | |
| | Min. input voltage | 60 V | | | | |
| | Initial. feed in voltage | 100 V | | | | |
| | Max. operating input current | 16 A | | | | |
| | Max. short circuit current | 24 A | | | | |
| | No. of independent MPPT inputs / strings per MPPT input | 2 / 1 | | | | |
| Output (AC) | Rated active power | 3000 W | 3680 W | 4000 W | 5000 W | 6000 W |
| | Rated apparent power | 3000 VA | 3680 VA | 4000 VA | 5000 VA | 6000 VA |
| | Max. apparent power | 3000 VA | 3680 VA | 4000 VA | 5000 VA | 6000 VA |
| | AC nominal voltage | 220 V / 230 V / 240 V | | | | |
| | AC voltage range | 180 V to 295 V | | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | | |
| | Max. output current | 15 A | 16 A | 20 A | 25 A | 30 A |
| | Adjustable power factor range | 1 / 0.8 leading ... 0.8 lagging | | | | |
| Efficiency & Protection | Feed-in phases | 1 | | | | |
| | Harmonic distortion (THD) at rated output | < 3% | | | | |
| | Max. efficiency / European efficiency | 98.2% / 97.5% | | | | |
| | DC switch | ● | | | | |
| | Ground fault monitoring / grid monitoring | ● / ● | | | | |
| | DC reverse polarity protection / AC short circuit Protection | ● / ● | | | | |
| | All-pole-sensitive residual-current monitoring unit | ● | | | | |
| | Surge protection | ● / Type II | | | | |
| | Anti-Islanding protection | ● | | | | |
| | Night monitoring | ● | | | | |
| General data | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II | | | | |
| | Dimensions (W / H / D) | 368 / 325 / 145 mm | | | | |
| | Weight | 9.5 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% | | | | |
| Features | Max. operating altitude | 4000 m | | | | |
| | DC connection | Plug-in connector | | | | |
| | AC connection | Plug-in Connector | | | | |
| | Mounting type | Wall-mount bracket | | | | |
| | LED Indicators (Status / Fault / Communication) | ● | | | | |
| | Communication interface ¹ | ● / ● / ○ / ○ (RS485 / Wi-Fi / LAN / 4G) | | | | |
| Country of manufacture | China | | | | | |
| Certificates and approvals(more available on request) | AS/NZS 4777.2, IEC 62109-1/2, IEC 61727, IEC 62116, NB/T32004 | | | | | |

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

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