

Single phase inverters 3 to 6 kW

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 MPPT's 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 | 7500 Wp STC | 9000 Wp STC |
| | Max. input voltage | 600V | | | | |
| | MPP voltage range / rated input voltage | 60V-560V/360V | | | | |
| | Min. input voltage | 60V | | | | |
| | Initial. feed in voltage | 100V | | | | |
| | Max. operating input current | 16A | | | | |
| | Max. short circuit current | 24A | | | | |
| | 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 | 3300 VA ³ | 3680 VA ³ | 4400 VA ³ | 5500 VA ³ | 6600 VA ³ |
| | 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 | 15A | 16A | 20A | 25A ⁴ | 30A |
| | Adjustable power factor range | 1 / 0.8 leading ... 0.8 lagging | | | | |
| | Feed-in phases | 1 | | | | |
| | Harmonic distortion (THD) at rated output | <= 3% | | | | |
| Efficiency & Protection | Max. efficiency / European efficiency | 97.8% / 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 | ○ | | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II | | | | |
| General data | 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% | | | | |
| | Max. operating altitude | 4000 m | | | | |
| Features | DC connection | Plug-in connector | | | | |
| | 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)" | AS/NZS 4777.2, IEC 62109-1/2, IEC 61727, IEC 62116, NB/T32004 | | | | |

● Standard features / ○ optional features / – not available

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

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

3) For European and AS/NZS4777.2 grid codes the max. apparent AC power is equal to the rated power

4) Max. output current limited to 21.7 A when set to the AS/NZS 4777.2 grid code

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