

Single phase inverters 1 to 3 kW

ASW S-S Series



Models:

ASW1000S-S

ASW1500S-S

ASW2000S-S

ASW3000S-S



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
- IP65 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Distinguishable connection interfaces
- ShadeSol shadow management

Technical Datasheet

ASW1000S-S

ASW1500S-S

ASW2000S-S

ASW3000S-S

| | | | | | |
|-------------------------|---|---|-----------------|-----------------|-----------------|
| Input (DC) | Max. PV array power | 1500 Wp STC | 2250 Wp STC | 3000 Wp STC | 4500 Wp STC |
| | Max. input voltage | 580 V | | | |
| | MPP voltage range / rated input voltage | 80 V to 550 V / 360 V | | | |
| | Min. input voltage | 80 V | | | |
| | Initial. feed in voltage | 100 V | | | |
| | Max. operating input current | 12 A | | | |
| | Max. short circuit current | 18 A | | | |
| | No. of independent MPPT inputs / strings per MPPT input | 1 / 1 | | | |
| Output (AC) | Rated active power | 1000 W | 1500 W | 2000 W | 3000 W |
| | Rated apparent power | 1000 VA | 1500 VA | 2000 VA | 3000 VA |
| | Max. apparent power | 1000 VA | 1500 VA | 2000 VA | 3000 VA |
| | AC nominal voltage | 220 V / 230 V / 240 V | | | |
| | AC voltage range | 180 V to 290 V | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | |
| | Max. output current | 5 A | 7.5 A | 10 A | 13.6 A |
| | Adjustable power factor range | 0.8 leading to 0.8 lagging | | | |
| | Feed-in phases | 1 | | | |
| | Harmonic distortion (THD) at rated output | < 3 % | | | |
| Efficiency & Protection | Max. efficiency / European efficiency | 97.4% / 95.4 % | 97.6 % / 96.3 % | 97.6 % / 96.8 % | 97.6 % / 97.1 % |
| | DC switch | ● | | | |
| | Ground fault monitoring / grid monitoring | ● / ● | | | |
| | DC reverse polarity protection / AC short circuit protection | ● / ● | | | |
| | All-pole-sensitive residual-current monitoring unit | ● | | | |
| | Anti-islanding Protection | ● | | | |
| | 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) | 320 / 264 / 94 mm | | | |
| | Weight | 6.5 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) | IP65 | | | |
| | 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 | Plug-in connector | | | |
| | AC connection | Plug-in connector | | | |
| | Mounting type | Wall-mount bracket | | | |
| | LED indicators (Status / Fault / Communication) | ● | | | |
| | Communication interface ^o | ● / ● / ● / O (RS485/Wi-Fi/LAN/4G) | | | |
| | Country of manufacture | China | | | |
| | Certificates and approvals (more available on request) | CE, IEC62109, IEC61000, EN50549, AS/NZS 4777, C10/C11, IEC61727, IEC62116, IEC61683 | | | |

● Standard features / O optional features / – not available

1- 2-pin RS485 connection to approved smart meters for export power control applications

Version: Sep 2024.

