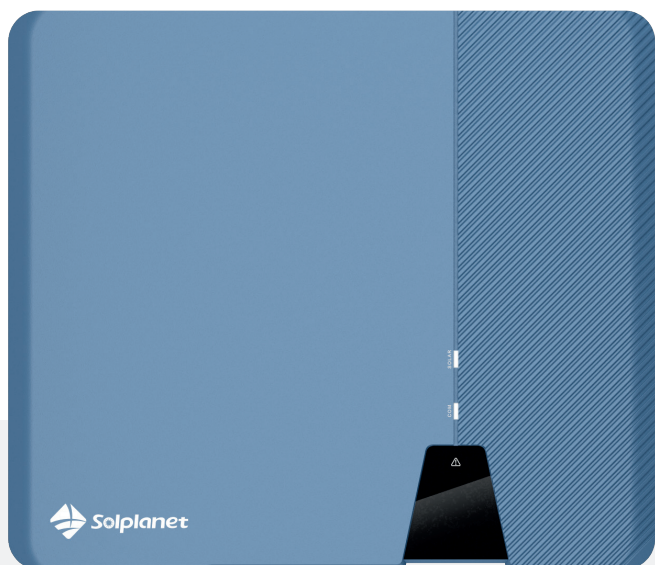


Single phase inverters 3 to 6 kW

# ASW S-G2 Series



Models:

ASW3000-S-G2

ASW3680-S-G2

ASW4000-S-G2

ASW5000-S-G2

ASW6000-S-G2



## Easy-to-install

- Quick and easy-to-install with standard tools
- Smart setup, commissioning and monitoring via Solplanet App
- Compact wall mount design



## Safe & reliable

- Internationally accredited standards
- Integrated DC switch
- IP66 rated design for indoor and outdoor use



## User-friendly

- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- ShadeSol - improved generation under non-ideal conditions
- Supports zero export applications
- 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 | 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                                                                           | 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<br>60 Hz / 55 Hz to 65 Hz             |             |             |             |             |
|                         | Max. output current                                                                           | 15A                                                          | 16A         | 20A         | 25A         | 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                                                         | 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                                                  |             |             |             |             |
|                         | Arc fault circuit interrupter (AFCI)                                                          | ○                                                            |             |             |             |             |
|                         | 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)                                                                        | 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)                                               | ●                                                            |             |             |             |             |
|                         | 24/7 monitoring                                                                               | ●                                                            |             |             |             |             |
|                         | Communication interface <sup>1</sup>                                                          | ●/●/●/○<br>(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 |             |             |             |             |

● 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

