

Single phase inverters 1~3.3KW

# ASW S-S Series



Models:

ASW1000S-S2  
ASW1500S-S2  
ASW2000S-S2  
ASW2500S-S2  
ASW3000S-S2  
ASW3300S-S2



## Easy-to-install

- Quick and easy to install with standard tools
- Smart setup, commissioning and monitoring via Solplanet App
- A4 size, compact and light weight



## Safe & Reliable

- 200 % PV array oversizing for higher yields
- Integrated DC switch
- Very low 50V start-up voltage
- IP66 rated design for indoor and outdoor use



## User-Friendly

- 16 A input current, ideal for high-power PV modules
- ShadeSol - improved generation under non-ideal conditions
- Smart meter interface for zero export applications
- 30-day energy data storage

# Technical Datasheet

|              |                                                                                               | ASW1000S-S2                                       | ASW1500S-S2 | ASW2000S-S2 | ASW2500S-S2 | ASW3000S-S2 | ASW3300S-S2 |
|--------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Input (DC)   | Max. PV array power                                                                           | 2000 Wp STC                                       | 3000 Wp STC | 4000 Wp STC | 5000 Wp STC | 6000 Wp STC | 6000 Wp STC |
|              | Max. input voltage                                                                            | 500 V                                             |             |             |             |             |             |
|              | MPP voltage range                                                                             | 50 V to 450 V / 360 V                             |             |             |             |             |             |
|              | Min. input voltage                                                                            | 50 V                                              |             |             |             |             |             |
|              | Initial. feed in voltage                                                                      | 60 V                                              |             |             |             |             |             |
|              | Max. operating input current                                                                  | 16 A                                              |             |             |             |             |             |
|              | Max. short circuit current                                                                    | 20 A                                              |             |             |             |             |             |
|              | No. of independent MPPT inputs / strings per MPPT input                                       | 1 / 1                                             |             |             |             |             |             |
| Output (AC)  | Rated active power                                                                            | 1000 W                                            | 1500 W      | 2000 W      | 2500 W      | 3000 W      | 3300 W      |
|              | Rated apparent power                                                                          | 1100 VA                                           | 1650 VA     | 2200 VA     | 2750 VA     | 3000 VA     | 3300 VA     |
|              | Max. apparent power                                                                           | 1100 VA                                           | 1650 VA     | 2200 VA     | 2750 VA     | 3300 VA     | 3300 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<br>60 Hz / 55 Hz to 65 Hz  |             |             |             |             |             |
|              | Rated output current                                                                          | 4.5 A                                             | 6.8 A       | 9.1 A       | 11.4 A      | 13.6 A      | 15 A        |
|              | Max. output current                                                                           | 5 A                                               | 7.5 A       | 10 A        | 12.5 A      | 15 A        | 15 A        |
|              | Adjustable power factor range                                                                 | 0.8 leading to 0.8 lagging                        |             |             |             |             |             |
|              | Feed-in phases                                                                                | 1                                                 |             |             |             |             |             |
|              | Harmonic distortion (THD) at rated output                                                     | < 3 %                                             |             |             |             |             |             |
| Efficiency   | Max. efficiency / European efficiency                                                         | 97.8% / 97.2%                                     |             |             |             |             |             |
| Protection   | DC switch                                                                                     | ●                                                 |             |             |             |             |             |
|              | Ground fault monitoring / grid monitoring                                                     | ● / ●                                             |             |             |             |             |             |
|              | DC reverse polarity protection / AC short circuit protection                                  | ● / ●                                             |             |             |             |             |             |
|              | All-pole-sensitive residual-current monitoring unit                                           | ●                                                 |             |             |             |             |             |
|              | DC/AC Surge protection                                                                        | ● / Type III<br>○ / Type II                       |             |             |             |             |             |
|              | Anti-Islanding protection                                                                     | ●                                                 |             |             |             |             |             |
|              | Shadow management                                                                             | ●                                                 |             |             |             |             |             |
|              | 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)                                                                        | 288 / 218 / 102mm                                 |             |             |             |             |             |
|              | Weight                                                                                        | 4.9 kg                                            |             |             |             |             |             |
|              | Operating temperature range                                                                   | -25 °C...+60 °C                                   |             |             |             |             |             |
|              | Overttemperature derate                                                                       | 45°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                                                                                 | Plug-in connector                                 |             |             |             |             |             |
|              | AC connection                                                                                 | Plug-in connector                                 |             |             |             |             |             |
|              | Mounting type                                                                                 | Wall-mount bracket                                |             |             |             |             |             |
|              | Communication                                                                                 | Wi-Fi                                             |             |             |             |             |             |
|              | LCD                                                                                           | ●                                                 |             |             |             |             |             |
|              | Country of manufacture                                                                        | China                                             |             |             |             |             |             |
|              | Certificates and approvals (more available on request)                                        | BIS, IEC 60068, 61000; 61727; 61683; 62116; 62109 |             |             |             |             |             |
|              | 30-day energy data storage                                                                    | ●                                                 |             |             |             |             |             |

● standard features ○ optional features - not available

Version: Jan 2025

