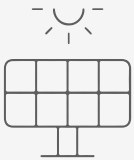


Single phase inverters 600 W to 800 W

ASW S-S2 Series



Models:
ASW600S-S2
ASW800S-S2



Outstanding performance

- Start-up voltage as low as 35V
- Max. 16A input current, ideal for high power PV modules
- 250% DC/AC ratio for higher yields
- Wide MPPT voltage range from 35 to 420V
- Supports Shadesol shadow management



Smart and friendly

- Supports 24*7 monitoring feature
- Noise level < 20dB
- Supports self-installation and self-maintenance
- Supports anti-backflow feature with smart meter interface
- Multiple accesses to monitor the plant via Solplanet apps or Cloud
- Compatible to multiple communication methods



Easy to install

- Perfect for balcony scenarios
- Plugs directly into household sockets
- Super light weight, easier delivery and installation
- Ultra-compact dimensions, A4 paper size
- SUNCLIX contact, simplified installation
- Flexible configuration, quick set-up and commissioning via Solplanet apps



Safe and reliable

- Integrated DC switch
- IP66 rated design for outdoor use
- High safety due to low DC voltage
- PV reverse connection alarm and insulation impedance detection
- Real-time grid and residual current monitoring, AC short-circuit protection and anti-islanding protection

Technical Datasheet

ASW600S-S2

ASW800S-S2

	ASW600S-S2	ASW800S-S2	
Input (DC)	Max. PV array power	1500 Wp STC	2000 Wp STC
	Max. input voltage	500V	
	MPP voltage range	35V to 420 V / 360 V	
	Full load MPP voltage range	65 ...400V	65 ...400 V
	Min. input voltage	30 V	
	Initial. feed in voltage	35 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	600 W	800 W
	Rated apparent power	600 VA	800 VA
	Max. apparent power	600 VA	800 VA
	AC nominal voltage	230 V	
	AC voltage range	180 V to 260 V	
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz	
	Rated output current (A)	2.6 A	3.5 A
	Max. output current (A)	2.6 A	3.5 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	97.2 % / 96.5 %	
	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 III	
	SPS	●	
	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)	288 / 218 / 97mm	
	Weight	3.9kg	
	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	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 (RS485/ Wi-Fi/ LAN/4G)	●/●/○/○	
	Certificates and approvals (more available on request)	CE / IEC62109-1/IEC62109-2 / VDE-AR-N 4105:2018	

● standard features ○ optional features - not available

Version: Apr 2024

