

Single phase inverters 600 W to 800 W

ASW S-S Series



Models:

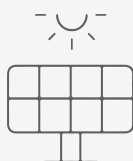
ASW600S-S2

ASW800S-S2



Compact and flexible
Easy to install

- Ultra-compact dimensions, A4 paper size
- Super light weight, easier delivery and installation
- Suitable for balcony scenarios
- Flexible configuration, plug and play set-up
- SUNCLIX contact, simplified installation, no more wiring needed
- Intuitive installation guide and videos, easy to follow



Outstanding performance
Max power generation

- 250% DC/AC ratio, more power generation
- Start-up voltage as low as 35V
- Max.16 A input current and max. 20 A short-circuit current
- Wide MPPT voltage range from 35 to 420V
- Supports ShadeSol shadow management



Smart and friendly
Easy to operate

- Compatible with multiple communication schemes
- Smart O&M with layered management, reduces O&M costs
- SPS function with overnight monitoring feature
- Multiple accesses to monitor the plant via Solplanet apps or Cloud
- Noise level < 20dB
- Smart meter interface, supports 0 export, ensures ample power for self-usage
- Unique color scheme and home décor style that stands out yet blends in perfectly in your home



Safe and reliable

- IP66 graded, ensures stable operation even in extreme environments
- Integrated DC switch
- PV reverse connection alarm and insulation impedance detection, effectively eliminating potential safety hazards
- Real-time grid and residual current monitoring, AC short-circuit protection and anti-islanding protection to ensure long-term personnel and equipment safety
- High safety due to low DC voltage
- DC- AC surge protection for your safety

Technical Datasheet

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	65400V	65400 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	

