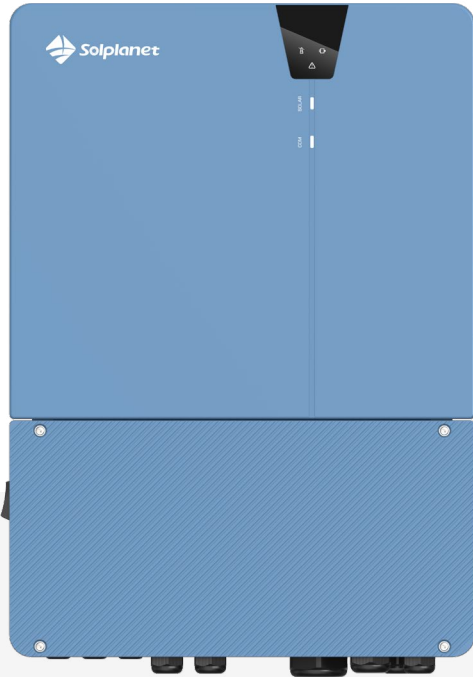


Single phase hybrid inverters 8 / 10 kW

ASW SH Series



Models:
ASW008K-SH
ASW010K-SH



High Performance

- 3 independent MPPTs for flexible and larger kWp PV array design
- Max. 20 A input current, ideal for bifacial and large area PV modules
- Up to 200% PV array oversizing resulting in higher energy yields
- 200% peak power output for 10s



Safe & Reliable

- Type II AC & DC Surge Protection
- UPS level switching time < 10 ms
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- ShadeSol shadow management
- Flexible connectivity: Modbus TCP/IP, diesel generator, parallel operation

Technical Datasheet(for AU)

ASW008K-SH

ASW010K-SH

PV input	Max. PV array power	16000 Wp	20000 Wp
	Max. input voltage	550 V	
	MPPT voltage range / rated input voltage	40~530 V / 380 V	
	Min. input voltage / start voltage	40 V / 50 V	
	MPPT voltage range for nominal power	150~500 V	180~500 V
	No. of independent MPPT trackers / strings per MPPT input	3 / 1	
	Max. input current / Max. power per MPP tracker	20 A / 9999 W	20 A / 9999 W
	Max. short-circuit current per MPP tracker	25 A	
Battery input	Battery voltage range	40 V to 60V	
	Max. charging / discharging power	8000 W	9999 W
	Max. charging current / Max. discharging current	190 A	210 A
	Battery type	LiFePO4 / Lead-acid	
AC output	AC voltage range / Nominal AC voltage	154 V to 276 V / 220, 230, 240, L/N	
	Nominal AC grid frequency	50 Hz / 60 Hz	
	AC grid frequency range	45~55 Hz / 55~65 Hz	
	Nominal apparent power	8000 VA	9999 VA
	Max/Rated apparent power	8000 VA	9999 VA
	Nominal grid output Current (@230 V)	34.8 A	43.5 A
	Max/Rated grid output current	38.3 A	47.8 A
	Harmonics THDi (@ Nominal power)	< 3 % (of nominal power)	
AC input	Nominal grid voltage	220, 230, 240 V, L/N	
	Nominal grid frequency	50 Hz / 60 Hz	
	Max. input power from grid	16000 W	18000 W
	Max. input current from grid	69.6 A	78.3 A
EPS output	Rated output voltage	220, 230, 240 V, L/N	
	Rated output frequency	50 Hz / 60 Hz	
	Max/Rated apparent power	8000 VA	9999 VA
	Peak output apparent power	2 times the rated power, 10 s	
	Max/Rated current	38.3 A	47.8 A
	Max. switch time	< 10 ms	
	Output THDv (@ Linear load)	2 %	
Generator side	Max. input apparent power	8000 VA	9999 VA
	Max. charging / discharging power	8000 VA	9999 VA
	Max. input current	36.4 A	45.5 A
	Nominal AC voltage	220, 230, 240 V, L/N	
	Nominal AC frequency	50 Hz / 60 Hz	
Effi- ciency	MPPT efficiency	99.9 %	
	Euro efficiency / Max. efficiency	97 % / 97.6 %	



Technical Datasheet

ASW008K-SH

ASW010K-SH

Safety protection	DC/AC surge protection (Type II, according to EN/IEC 61643-11)	●
	Insulation resistance detection	●
	PV string input reverse polarity protection	●
	Ground fault monitoring	●
	Residual current monitoring unit	●
	AC short circuit protection	●
	Anti-islanding protection	●
	AFCI protection	○
General data	Power factor at rated power / adjustable displacement	1 / 0.8 leading to 0.8 lagging
	Dimensions (W / H / D)	484 mm / 679 mm / 230 mm
	Weight	34.5 kg
	Operating temperature range	-25 °C ... +60 °C
	Cooling concept	Smart cooling
	Degree of protection (as per IEC 60529)	IP66
	Max. relative humidity	100 %
	Max. operating altitude	3000 m
Features	User interface	LED & App
	BMS interface	CAN
	Zero-export interface	● / ○ CT/Meter
	Internet communication interfaces	Wifi / LAN
	Digital output (dry contact) / No. of outputs	● / 2
	Digital input (dry contact) / No. of inputs	● / 6
	Integrated power control / export power control	● / ●
	Active Anti Island protection	●
	Producing country	China

● standard features ○ optional features - not available
*For reference only. Please refer to the official release for final content.
Version: Oct 2024



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