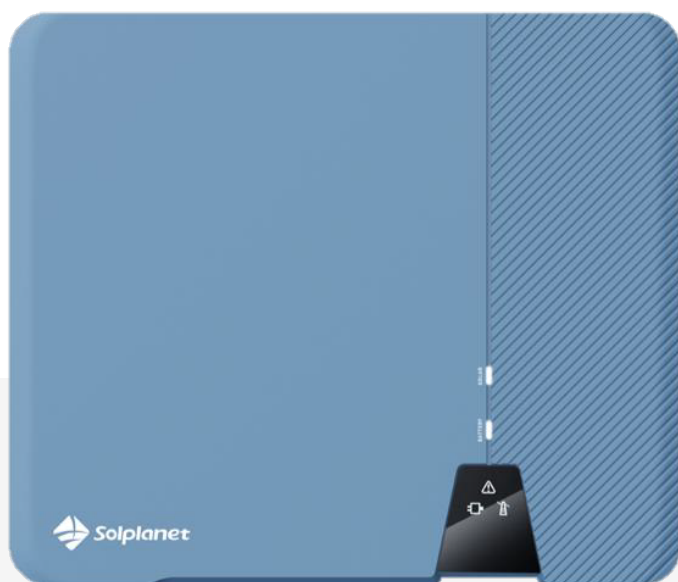


ASW H-S2 Series



Models

ASW3000H-S2

ASW3680H-S2

ASW4000H-S2

ASW5000H-S2

ASW6000H-S2



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with Aiswei apps
- Compact wall mount design



Reliable

- Smart energy management
- UPS capability - power during blackouts
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via WiFi and Aiswei apps
- Easy to connect - battery and smart meter interfaces

Technical Data Sheet		ASW3000H-S2	ASW3680H-S2	ASW4000H-S2	ASW5000H-S2	ASW6000H-S2
PV Input	Max. PV array power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC	9000 Wp STC
	Max. input voltage	550 V				
	MPP voltage range / rated input voltage	40 V to 530 V / 380 V				
	Min. input voltage / start voltage	40 V / 50 V				
	No. of independent MPPT trackers / strings per MPPT input	2 / 1				
Battery input	Max. input current per MPPT tracker	16 A				
	Max. short-circuit current per MPPT tracker	20 A				
	Nominal battery voltage	48 V				
	Battery voltage range	40 V to 60 V				
	Max. charging / discharging power	5000 W / 5000 W				
AC output	Max. charging current / Max. discharging current	100 A / 100A				
	Battery type	Li-Ion				
	Compatible Battery	Solplanet Ai-LB series ³				
	AC voltage range / Nominal AC voltage	180 V to 280 V / 230 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
AC input	AC grid frequency range	50 Hz±5Hz / 60 Hz±5Hz				
	Rated active power	3000 W	3680 W	4000 W	5000 W* ¹	6000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA* ¹	6000 VA
	Max. apparent power	3000 VA	3680 VA	4000 VA	5000 VA* ¹	6000 VA
	Rated grid output Current (@230V)	13.1 A	16 A	17.4 A	21.7 A	26.1 A
EPS output	Max. grid output current	13.6 A	16 A	18.2 A	21.7A	27.3A
	Harmonics THDi (@ Nominal power)	< 3%				
	Rated grid voltage	a.c. 230V				
	Rated grid frequency	50Hz / 60Hz				
	Rated apparent power	6000 VA				
Safety protection	Max. input apparent power from grid	6000 VA				
	Rated input current from grid	a.c. 26.1A				
	Max. input current from grid	a.c. 27.3 A				
	Nominal output voltage	230 V				
	Nominal output frequency	50 Hz / 60 Hz				
General data	Rated apparent power	5000 VA				
	Max. output apparent power	5000 VA				
	Peak output apparent power	7500 VA, 10s				
	Rated Current (@230V)	21.7A				
	Max. output current	21.7A				
Features	Max. switch time	≤ 10 ms				
	Output THDi (@ Linear load)	<3%				
	MPPT efficiency	99.90%				
	Euro efficiency / Max. efficiency	97% / 97.6%				
	Max. battery to load efficiency	94.70%				
Pollution degree	DC-side disconnection device	●				
	PV string- / Battery input reverse polarity protection	● / ●				
	All-pole sensitive residual current monitoring unit	●				
	Anti-islanding protection	●				
	Ground fault protection	●				
Pollution degree	AC output over current / short circuit current protection	● / ●				
	AC over voltage protection	●				
	Protection class (as per IEC 62109-1) / overvoltage category (as per IEC 62109-1)	I / AC: III; DC: II				
	Pollution degree outside the enclosure	3				
	Pollution degree inside the enclosure	2				
Active anti-islanding protection	Active anti-islanding protection	Integrated (active method ,active frequency drift(AFD)method)				
	Power factor at rated power / adjustable displacement	≥0.99 / 0.8leading to 0.8 lagging				
	Dimensions (W / H / D)	483 / 455 / 193.5 mm				
	Device weight	25.1 kg				
	Operating temperature range	-25 °C ... +60 °C				
Cooling concept	Noise emissions (typical)	30 dB(A)				
	Standby consumption	< 10 W				
	Cooling concept	Natural convection				
	Degree of protection (as per IEC 60529)	IP66				
	Climatic category (according to IEC 60721-3-4)	4K4H				
Country of Manufacture	Max. permissible value for relative humidity (non-condensing)	100.00%				
	Max. operating altitude	4000m (>3000m power derating)				
	Country of Manufacture	THE PEOPLE'S REPUBLIC OF CHINA				
	User interface	LED & App				
	Communication with BMS	RS485 / CAN				
Integrated power control / Zero export control	Communication with meter	RS485				
	Communication with portal	WIFI stick				
	Other communication	DRM				
	Integrated power control / Zero export control	● / ●				

● Standard features / ○ optional features / – not available

*1 For VDE-AR-N4105, Smax=4600VA