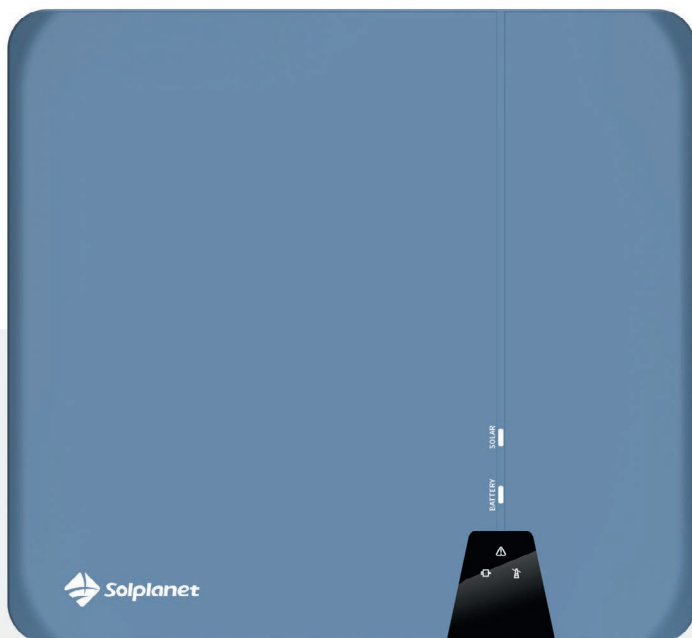


Single phase hybrid inverters 3 to 6 kW

# Single phase hybrid inverters



Models:

- ASW3000H-S2
- ASW3680H-S2
- ASW4000H-S2
- ASW5000H-S2
- ASW6000H-S2



## Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet 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 Wi-Fi and Solplanet apps
- Easy to connect - battery and smart meter interfaces
- ShadeSol shadow management

# Technical DataSheet

ASW3000H-S2 ASW3680H-S2 ASW4000H-S2 ASW5000H-S2 ASW6000H-S2

		5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC	9000 Wp STC
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				
	Max. input current per MPP tracker	16 A				
	Max. short-circuit current per MPP tracker	20A				
Battery input	Nominal battery voltage	48 V/51.2V				
	Battery voltage range	40 V to 60 V				
	Max. charging / discharging power	5000 W / 5000 W				
	Max. charging current / Max. discharging current	100 A / 100A				
	Battery type	LiFePO4				
Compatible Battery	Aiswei Ai-LB series <sup>*3</sup>					
AC output	AC voltage range / Nominal AC voltage	180 V to 280 V / 230 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
	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*2	26.1A
	Max. grid output current	13.6 A	16 A	18.2 A	22.7 A*2	27.3A
	Harmonics THDi (@ Nominal power)	< 3%				
	AC input	Rated grid voltage	a.c. 230V			
Rated grid frequency		50Hz / 60Hz				
Rated apparent power		6000 VA				
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				
EPS output	Nominal output voltage	230 V				
	Nominal output frequency	50 Hz / 60 Hz				
	Rated apparent power	5000 VA				
	Max. output apparent power	5000 VA				
	Peak output apparent power	7500 VA, 10s				
	Rated Current (@230V)	21.7 A				
	Max. output current	21.7 A				
	Max. switch time	≤ 10 ms				
	Output THDi (@ Linear load)	< 3%				
Efficiency	MPPT efficiency	99.90%				
	Euro efficiency / Max. efficiency	97% / 97.6%				
	Max. battery to load efficiency	94.70%				
Safety protection	DC-side disconnection device	●				
	PV string- / Battery input reverse polarity protection	● / ●				
	All-pole sensitive residual current monitoring unit	●				
	Anti-islanding protection	●				
	Ground fault protection	●				
	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				
General data	Power factor at rated power / adjustable displacement	≥0.99 / 0.8 leading to 0.8 lagging				
	Dimensions (W / H / D)	483 / 455 / 193.5 mm				
	Device weight	25.1kg				
	Operating temperature range	-25 °C ... +60 °C				
	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				
	Max. permissible value for relative humidity (non-condensing)	100%				
	Max. operating altitude	4000m (>3000m power derating)				
	Country of manufacture	THE PEOPLE'S REPUBLIC OF CHINA				
Features	User interface	LED & App				
	Communication with BMS	RS485 / CAN				
	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=Sn=4600VA, Pn=4600W \*2 For AS/NZS4777.2, Iac max=21.7A

\*3 Including but not limited to the listed models, please check the website@solplanet for more compatible models

Version: Nov 2022

