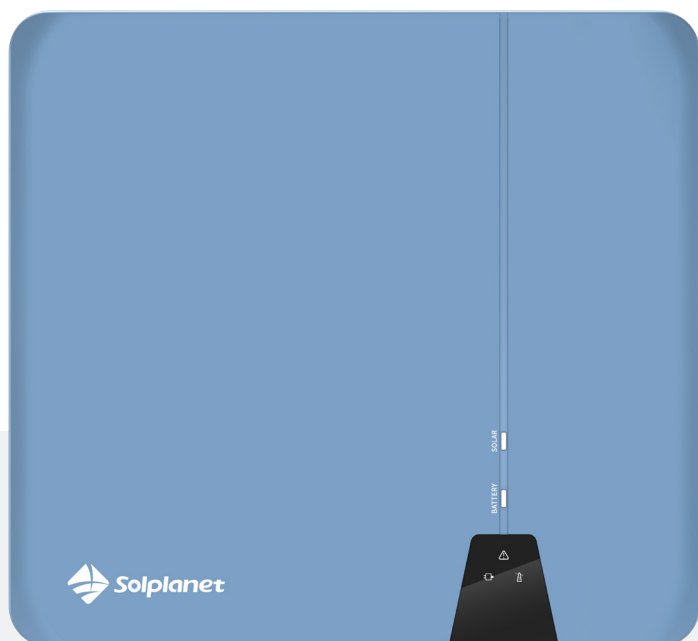


Single phase hybrid inverters 3 to 6 kW

ASW H-S2 Series



Models:

ASW3000H-S2

ASW3680H-S2

ASW4000H-S2

ASW5000H-S2

ASW6000H-S2



Easy-to-install

- Quick and easy-to-install with standard tools
- Smart setup, commissioning and monitoring via Solplanet App
- Compact wall mount design



Safe & reliable

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



User-friendly

- User friendly app interface
- ShadeSol - improved generation under non-ideal conditions

Technical Datasheet

ASW3000H-S2ASW3680H-S2ASW4000H-S2ASW5000H-S2ASW6000H-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					
	Max. input current per MPP tracker	16 A					
	Max. short-circuit current per MPP tracker	20 A					
Battery input	Nominal battery voltage	48 V					
	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*3					
AC output	AC voltage range / Nominal AC voltage	180 V to 280 V / 220, 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	26.1 A	
	Max. grid output current	13.6 A	16 A	18.2 A	22.7 A*2	27.3 A	
	Harmonics THDi (@ Nominal power)	< 3%					
	AC input	Rated grid voltage	a.c. 220, 230V				
Rated apparent power		6000 VA					
Max. input apparent power from grid		6000 VA					
Rated input current from grid		a.c. 26.1 A					
Max. input current from grid		a.c. 27.3 A					
EPS output		Nominal output voltage	220, 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)	21.7A					
	Max. output current	21.7A					
	Max. switch time	≤ 10 ms					
	Output THDi (@ Linear load)	<3%					
Effi- ciency	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					
	Arc fault circuit interrupter (AFCI)	○ 4					
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	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

*4 Please consult local sales team for product availability

