

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-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 - 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 - 60 V				
	Max. charging / discharging power	5000 W / 5000 W				
	Max. charging current / Max. discharging current	100 A / 100 A				
	Battery type	LiFePO4				
AC output	Compatible Battery	Solplanet Ai-LB series ³				
	AC voltage range / Nominal AC voltage	180 V - 280 V / 220 , 230 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
	AC grid frequency range	45 Hz - 55 Hz / 55 Hz - 65 Hz				
	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	220 V / 230 V				
	Rated apparent power	6000 VA				
	Max. input apparent power from grid	6000 VA				
	Rated input current from grid	26.1 A				
	Max. input current from grid	27.3 A				
EPS output	Nominal output voltage	220 V / 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, 10 s				
	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	99.9 %				
	Euro efficiency / Max. efficiency	97.0 % / 97.6 %				
	Max. battery to load efficiency	94.7 %				
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	●				
	Arc fault circuit interrupter (AFCI)	○ ⁴				
General data	Power factor at rated power / adjustable displacement	≥ 0.99 / 0.8 leading - 0.8 lagging				
	Dimensions (W / H / D)	483 / 455 / 193.5 mm				
	Device weight	25.1 kg				
	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	4000 m (> 3000 m power derating)				
Features	User interface	LED & App				
	Communication with BMS	CAN				
	Communication with meter	RS485				
	Communication with portal	Wi-Fi 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