Single phase hybrid inverters



Models:

ASW3000H-S2

ASW3680H-S2

ASW4000H-S2

ASW5000H-S2

ASW6000H-S2



Easy-to-install

- Quick & easy-to-install with basic
- 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

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User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Easy to connect battery and smart meter interfaces





recr	nnical DataSheet	ASW3000H-S2	ASW3680H-S2	ASW4000H-S2	ASW5000H-S2	ASW6000H-9				
	Max. PV array power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC	9000 Wp STC				
Battery input PV Input	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						
	Nominal battery voltage	48 V/51.2V								
	Battery voltage range	40 V to 60 V								
	Max. charging / discharging power	5000 W / 5000 W								
<u>></u>	Max. charging current / Max. discharging current	100 A / 100A								
tte	Battery type	LiFePO4								
Ба	Compatible Battery	Aiswei 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 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				
Ħ	Max. apparent power	3000 VA	3680 VA	4000 VA	5000 VA	6000 VA				
output	Rated grid output Current (@230V)	13.1 A	16 A	17.4 A	21.7 A*2	26.1A				
5	Max. grid output current (@250V)	13.1 A	16 A	17.4 A 18.2 A	21.7 A*** 22.7 A**	27.3A				
AC		13.0 A	10 A		22.1 A	21.5A				
	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								
	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								
output	Rated Current (@230V)	21.7 A								
	Max. output current	21.7 A								
ý	Max. switch time	≤ 10 ms								
Effi- ciency	Output THDi (@ Linear load)	< 3%								
	MPPT efficiency	99.90%								
	Euro efficiency / Max. efficiency	97% / 97.6%								
Ë.5	Max. battery to load efficiency	94.70%								
	DC-side disconnection device			•						
	PV string- / Battery input reverse polarity protection			• / •						
Safety protection	All-pole sensitive residual current monitoring unit			•						
	Anti-islanding protection			•						
	Ground fault protection		_							
		0								
	AC output over current / short circuit current protection			•/•						
	AC over voltage protection			•						
	Protection class (as per IEC 62109-1) /			I / AC: III; DC: II						
	overvoltage category (as per IEC 62109-1)									
	Power factor at rated power / adjustable displacement	≥0.99 / 0.8 leading to 0.8 lagging								
	Dimensions (W / H / D)	494 / 420 / 195 mm								
	Device weight	21.5 kg								
	Operating temperature range	-25 °C +60 °C								
	Noise emissions (typical)	30 dB(A)								
	Standby consumption	<10 W								
-	Cooling concept	Natural convection								
ų.	Degree of protection (as per IEC 60529)	IP66								
<u>8</u>	Climatic category (according to IEC 60721-3-4)	4K4H								
200		100%								
ם כ	Max. permissible value for relative humidity (non-condensing)	4000m (>3000m power derating)								
	Max. permissible value for relative humidity (non-condensing) Max. operating altitude		4000	iii (+ 000 oiii povvoi do	. 0/	THE PEOPLE'S REPUBLIC OF CHINA				
General dat										
General dar	Max. operating altitude									
General data	Max. operating altitude Country of manufacture			OPLE'S REPUBLIC OF						
	Max. operating altitude Country of manufacture User interface			OPLE'S REPUBLIC OF LED & App						
	Max. operating altitude Country of manufacture User interface Communication with BMS Communication with meter			OPLE'S REPUBLIC OF LED & App RS485 / CAN						
reatures General dat	Max. operating altitude Country of manufacture User interface Communication with BMS			OPLE'S REPUBLIC OF LED & App RS485 / CAN RS485						

[•] Standard features / O optional features / – not available



^{*3} Including but not limited to the listed models, please check the website@solplanet for more compatible models Version: July 2022