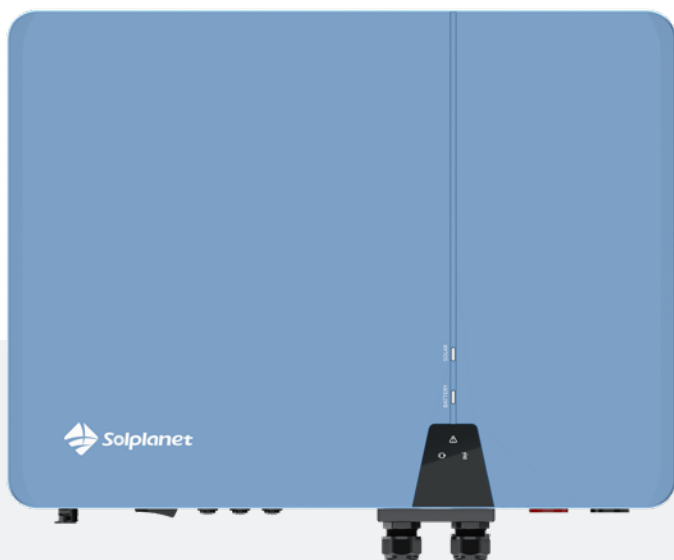


Three phase hybrid inverters 5 to 12 kW

ASW H-T2/DG

ASW H-T3/DG Series



Models:

ASW05kH-T2-DG	ASW05kH-T2
ASW06kH-T2-DG	ASW06kH-T2
ASW08kH-T2-DG	ASW08kH-T2
ASW08kH-T3-DG	ASW08kH-T3
ASW10kH-T2-DG	ASW10kH-T2
ASW10kH-T3-DG	ASW10kH-T3
ASW12kH-T2-DG	ASW12kH-T2
ASW12kH-T3-DG	ASW12kH-T3



Easy-to-install

- Quick & easy-to-install with basic tools
- Compact wall mount design
- Simple battery and smart meter interfaces for quick and secure installation



Reliable

- Up to 150 % PV array oversizing for higher yields
- Asymmetrical power output
- UPS level switching time < 10 ms
- IP66 rated design for outdoor use
- DC SPD surge protection



User-friendly

- 3 independent MPPTs for flexible and higher kWp PV array design
- Max. 50A charging/discharging current
- Compatible with diesel generator
- Setup, commissioning and monitoring via the Solplanet app
- Intelligent work modes and customisable battery management for DOD /Time of Use/Power setting
- Max. 16 A input current, ideal for bifacial and large PV modules

Selected technical parameters

ASW05kH-T2
ASW05kH-T2-DG

ASW06kH-T2
ASW06kH-T2-DG

ASW08kH-T2
ASW08kH-T2-DG
ASW08kH-T3
ASW08kH-T3-DG

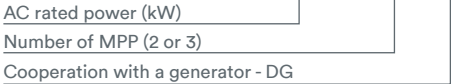
ASW10kH-T2
ASW10kH-T2-DG
ASW10kH-T3
ASW10kH-T3-DG

ASW12kH-T2
ASW12kH-T2-DG
ASW12kH-T3
ASW12kH-T3-DG

PV input	Max. PV array power	7500 Wp	9000 Wp	12000 Wp	15000 Wp	18000 Wp
	MPP voltage range / rated input voltage	150 V to 950 V / 180 V				
	No. of independent MPPT trackers / strings per MPPT input	T2: 2/1; T3: 3/1				
	Max. input current / Max. power per MPP tracker	7500 Wp	9000 Wp	10000 Wp	10000 Wp	10000 Wp
	Max. short-circuit current per MPP tracker	30 A				
Battery input	Battery voltage range	120 V to 600 V				
	Max. charging power from grid	5000 W	6000 W	8000 W	10000 W	12000 W
	Max. discharging power	5000 W	6000 W	8000 W	10000 W	12000 W
	Max. charging current / Max. discharging current	30A; DG Series: 50A				
AC input	Rated grid voltage	3/N/PE, 220 V / 380 V; 230 V / 400 V; 240 V / 415 V				
	AC voltage range / Nominal AC voltage	270 V to 480 V / 3/N/PE, 220 V / 380 V; 230 V / 400 V; 240 V / 415 V				
	Rated AC grid frequency	50 Hz / 60 Hz (45 - 55 Hz / 55 - 65 Hz)				
	Rated grid output current (@400 V)	14.5 A	17.4 A	23.2 A	29.0 A	34.8 A
	Rated grid output current (@400 V) / Max. grid output current(@400 V)	7.3 A / 8.0 A	8.7 A / 9.6 A	11.6 A / 12.8 A	14.5 A / 16.0 A	17.4 A / 19.2 A
EPS output	Nominal output voltage	3/N/PE, 220 V / 380 V; 230 V / 400 V; 240 V / 415 V				
	Nominal output frequency	50 Hz / 60 Hz				
	Rated current (@400 V)	7.3 A	8.7 A	11.6 A	14.5 A	17.4 A
	Max. current (@400 V, continuous on-grid / off-grid)	14.5 A / 7.3 A	17.4 A / 8.7 A	23.2 A / 11.6 A	29.0 A / 14.5 A	34.8 A / 17.4 A
	Max. switch time	< 10 ms				
Generator side	Rated AC voltage	3/N/PE, 220 V / 380 V; 230 V / 400 V; 240 V / 415 V				
	Rated AC frequency	50 Hz / 60 Hz				
	Max. input apparent power	7500 VA	9000 VA	12000 VA	15000 VA	18000 VA
Features	Degree of protection (as per IEC 60529)	IP66				
	Dimensions (W / H / D)	545 mm / 465 mm / 205 mm DG Series: 625 mm / 465 mm / 241 mm				
	Weight	24.5 kg DG Series: 28 kg				
	Internet communication interfaces	WIFI / LAN / Ethernet / CAN / RS485 / Modbus RTU DG Series: + Modbus TCP/IP				
	User interface	LED & App				

Version: January 2025

Model designation: ASW 05 kH T2 DG



The full product sheet is available on the website:

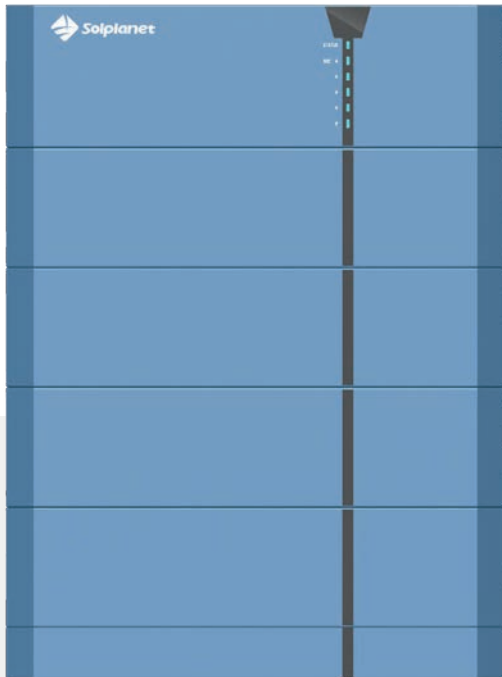
ASW H-T2 /T3 Series

ASW H-T2/T3-DG Series



High Voltage Battery 7.5 to 20 kWh

Ai-HB G2 Series



Models:

Ai-HB 075A	Ai-HB 150A
Ai-HB 100A	Ai-HB 175A
Ai-HB 125A	Ai-HB 200A



Safety

- Modular design with plug-in connections
- Quick connections between battery and inverter
- Quick & easy-to-install with basic tools
- Steady and anti-dumping design



Reliable

- IP65 rated design
- Cell-level monitoring
- LFP safe technology
- All-round BMS protection



User-friendly

- Stackable and Expandable up to 81.92 kWh (supporting 8 modules per unit, 4 units in parallel)
- Multi-use applications: self-consumption, time of use tariffs, customisation
- Online monitoring via Solplanet apps

Technical Datasheet

Ai-HB 075A

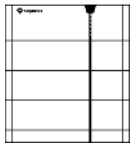
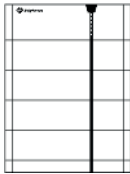
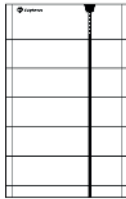
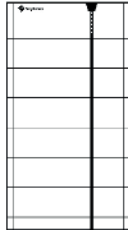
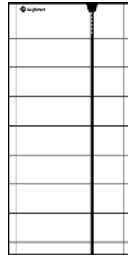
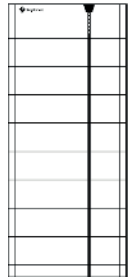
Ai-HB 100A

Ai-HB 125A

Ai-HB 150A

Ai-HB 175A

Ai-HB 200A

System Data	Battery designation						
	Battery module	HB051050A					
	Cell type	LiFePO4					
	Module quantity	3	4	5	6	7	8
	Rated capacity	50 Ah					
	Nominal energy ¹	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh	17.92 kWh	20.48 kWh
	Usable energy ²	6.91 kWh	9.21 kWh	11.52 kWh	13.82 kWh	16.12 kWh	18.43 kWh
	Nominal voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
	Operating voltage range	120 V ~ 175.2 V	160 V ~ 233.6 V	200 V ~ 292 V	240 V ~ 350.4 V	280 V ~ 408.8 V	320 V ~ 467.2 V
	Max.charging current	25 A					
	Max.discharging current	30 A					
	Rated charging / discharging power	3.84kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10.24 kW
	Max.charging power	3.84kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10.24 kW
	Max.discharging power	4.61 kW	6.14 kW	7.68 kW	9.22 kW	10.75 kW	12.29 kW
General Data	Dimensions (W / D / H)	540*390*600 mm	540*390*730 mm	540*390*860 mm	540*390*990 mm	540*390*1120 mm	540*390*1250 mm
	Weight	106.5 kg	137 kg	167.5 kg	198 kg	228.5 kg	259 kg
	Battery module weight	30.5 kg					
	Installation location	Indoor / Outdoor					
	Mounting method	Floor mounted					
	Operating temperature range	Charge: 0 ~ 50 °C Discharge: -20 °C ~ 50 °C					
	Storage temperature range	-20 °C ~ 45 °C					
	Cooling concept	Natural convection					
	Degree of protection	IP65					
	Relative humidity	5 ~ 95 %, non - condensing					
	Communication	CAN					
	Certification	IEC 62619 / EN 61000 IEC 62040 / UN38.3					
	Life cycle ³	6000 times					
	Protection	Charging over-voltage protection, discharging under-voltage protection, over-current protection, over-temperature protection, short-circuit protection, built-in fire suppression ⁴ , etc					
	Round-trip efficiency	≥95%					

1. Nominal energy is defined under the following conditions: cell voltage 2.5~3.65V, 0.5C charge & discharge at +25°C.

2. Usable energy is defined under the following conditions: 0.5C charge & discharge at +25°C, 90% DOD. Usable energy may vary depending on discharge, charge, environmental conditions and SOC % limits defined by the user.

3. Life cycle is defined under the following conditions: 0.5C charge & discharge at +25°C, 90% DOD, 70% EOL

4. Available with or without built-in fire suppression functionality, this feature was released in August 2024, please confirm version with Solplanet sales before purchase.

Version: Sep 2024

