

Micro-grid Hybrid Split ESS Product

JAP-HS-150kW

JAP-HS-250kW



| Advantages

Safety & Reliability



- LFP battery cells for safety and extended lifespan
- Physical isolation between the battery and electrical compartments prevents thermal transmission

Flexibility & Compatibility



- Multi-source inputs / outputs (PV / Battery / DG / Grid / Load)
- Configurable operating modes for diverse scenarios
- On/Off-grid seamless switching (< 20 ms)
- Split-type design enables free combination, offering flexibility and convenience

Intelligence & Efficiency



- Real-time system monitoring with cloud connectivity
- Integrated plug-and-play design for rapid installation
- Advanced battery management system and comprehensive thermal management system

Technical Specifications

Model		JAP-HS-150kW	JAP-HS-250kW
DC Side	Cell Type	3.2 V / 280 Ah, LFP	3.2 V / 280 Ah, LFP
	Nominal Voltage	768 V, 2P240S	768 V, 3P340S
	Nominal Energy	430 kWh	645 kWh
	Dimensions (W × H × D) per Cluster	1010 mm × 1560 mm × 2455 mm	1010 mm × 1560 mm × 2455 mm
	Operating Voltage Range	672 V to 850 V	672 V to 850 V
	Max. Continuous Charge / Discharge Ratio	0.5 C @ 25 °C	0.5 C @ 25 °C
	Cycle Life	≥ 6000	≥ 6000
	Weight	4800 (14400) kg	7200 (19200) kg
AC Side	Rated Output Power	150 kW	250 kW
	Rated Voltage	400 Vac	400 Vac
	Voltage Range	320 Vac to 460 Vac	320 Vac to 460 Vac
	Rated Current	216 A	361 A
	Rated Frequency	50 / 60 Hz	50 / 60 Hz
	Power Factor	1.0 leading to 1.0 lagging	1.0 leading to 1.0 lagging
	Overload Capacity	110 % long term	110 % long term
	AC Output	3W + N + PE	3W + N + PE
	On/Off-grid Switching	Support (< 20 ms)	Support (< 20 ms)
PV Side	Max. PV Input Voltage	1000 Vdc	1000 Vdc
	Max. PV Power	165 / 247.5 / 330 kWp	330 / 412.5 kWp
	MPPT Operating Voltage Range	250 Vdc to 950 Vdc	250 Vdc to 950 Vdc
PCS Parameters	Dimensions (W × H × D)	2000 mm × 1375 mm × 2385 mm	2735 mm × 1370 mm × 2385 mm
	Weight	2250 (2310) kg	3250 (3280) kg
System Parameters	Operating Temperature	0 to +45 °C	0 to +45 °C
	Humidity	0 to 95 % RH (non-condensing)	0 to 95 % RH (non-condensing)
	Protection Level	IP54	IP54
	Anti-corrosion Level	C4M	C4M
	Noise Level	< 75 dB	< 75 dB
	Altitude	2000 m	2000 m
	Cooling Method	Air Cooling	Air Cooling
	Fire Fighting System	Aerosol	Aerosol
	Communication	RS485, TCP / IP	RS485, TCP / IP

*Specification indexes may be subject to changes without prior notice.



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