Three-phase hybrid grid energy storage inverter

HJ-IH15-W500T/HJ-IH25-W500T/HJ-IH25-W500T

Product Introduction

This inverter is suitable for medium and large-sized household systems as well as smart switches. It integrates photovoltaic and energy storage control, has built-in EMS intelligent management, and supports multiple battery types. It is equipped with UPS function, seamless switching within 10ms, and compatible with three-phase unbalanced loads. Wide voltage input, high protection level, and support for remote upgrade make power generation more efficient and operation more reassuring.

- PV &storage system
- Smart switching
- Wide voltage input range
- Safe and reliable
- Smart and simple
- High-efficiency

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HJ-IH15-W500T/HJ-IH20-W500T/HJ-IH25-W500T

Technical Specification

Parameter

Model	HJ-IH15-W500T（H-6）	HJ-IH20-W500T（H-7）	HJ-IH25-W500T（H-8）
Max. DC Input Power (kW)	22.5	30	37.5
Rated DC Voltage (V)	1000	1000	1000
Max. DC Input Voltage (V)	620	620	620
DC Input Voltage Range (V)	150 - 1000	150 - 1000	150 - 1000
MPPT Voltage Range (V)	150 - 850	150 - 850	150 - 850
Full MPPT Voltage Range (V)	500 - 850	500 - 850	500 - 850
Start-up Voltage (V)	160	160	160
Max. DC Input Current (A)	20 + 32	32×2	40×2
Max. Short Current (A)	30 + 48	48×2	60×2
No. of MPPT Tracker / Strings	`2/3	2/4	2/4
Battery Nominal Voltage (V)	500	500	500
Battery Voltage Range (V)	150 - 800	150 - 800	150 - 800
Max. Charge/Discharge Current (A)	50	50	50
Max. Charge/Discharge Power (kW)	15	20	25
Charging Curve	3 Stages	3 Stages	3 Stages
Max. AC Output Current (A)	27	32	40
Nominal AC Voltage (V)	230 / 400	230 / 400	230 / 400
Nominal AC Frequency (Hz)	50 / 60	50 / 60	50/60
Nominal Output Power (kW)	15000	20000	25000
Nominal Output Frequency (Hz))	50 / 60	50/60	50/60
Nominal Output Current (A)	21.8	29	36.3
Dimensions (W × D × H, mm)	558 × 535 × 260 mm	558 × 535 × 260 mm	558 × 535 × 260 mm
Weight (kg)	29kg	36kg	36kg
Cooling Concept	Intelligent Fan	Intelligent Fan	Intelligent Fan
Operating Temperature Range (℃)	-25 - 60℃	-25 - 60℃	-25 - 60℃
Display & Communication Interfaces	LCD, LED, RS485, CAN, WIFI, GPRS, 4G, SunSpec		

Application Scenarios

Residential Solar Systems: Suitable for households looking to reduce electricity bills and maintain power during outages.
Commercial Office Buildings: Provides reliable energy management for businesses, optimizing solar and battery storage use to reduce operating costs.