Three-phase hybrid grid energy storage inverter

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-IH25-W500T

Technical Specification

Parameter

Model	HJ-IH25-W500T（A-14）
Max. Input Power	42500W
Max. Input Voltage	1000V
MPPT Operating Voltage Range	180-900V
Start-up Voltage	610V
Max. Input Current	36A/36A
Max. Short Circuit Current	40A/40A
Number of MPPT Trackers	2
Battery Voltage Range	180-700V
Max.Charge/Discharge Power	25kW/25kW
Battery Type	Li-ion/Lead-acid
Nominal Output Power	25000W
Max. Apparent Power	27000VA
Max. Output Current	40A
Total Harmonics Distortion	<3%
Nominal Output Power	25000W
Nominal Output Voltage	380V400V,3L/N/PE
Nominal Output Frequency	50Hz/60Hz
Max. Output Current	43A
Installation	Wall-mounted
Dimension (W×D×H)mm	505×572×235
Weight	40kg
Ingress Protection Rating	IP65
Safety Standards	IEC62109-1-2
Operating Temperature Range	-25˚C-60˚C (>45˚C Derating)
Cooling	Intelligent Fan
Cloud Communication	RS485 (WIFI/4G/GPRS optional)
EMC Standards	EN61000-6-1/-3,IEC61000

Application Scenarios

Residential Solar Systems: Suitable for households looking to reduce electricity bills and maintain power during outages.
Off-Grid Systems: Suitable for remote areas or locations without grid access, ensuring reliable energy production and storage.