Three-phase hybrid grid energy storage inverter

HJ-IH30-W500T/HJ-IH40-W500T

Product Introduction

This inverter is suitable for industrial energy storage systems, supports seamless switching between grid-connected and off-grid, and operates stably and reliably. Integrated photovoltaic and energy storage control system, supporting intelligent management of multiple battery types and EMS, featuring a wide voltage input range and modular expansion capability. It features IP54 protection, ultra-quiet design, and supports remote upgrades and efficient charging and discharging, enhancing the overall power generation efficiency.

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

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HJ-IH30-W500T/HJ-IH40-W500T
Technical Specification

Parameter

Model	HJ-IH30-W500T（A-16/20）	HJ-IH40-W500T（A-17/21）
Max. Input Power	45000W	60000W
Max. Input Voltage	1000V	1000V
MPPT Operating Voltage Range	180-900V	180-900V
Start-up Voltage	180V	180V
Max. Input Current	36A/36A/36A	36A/36A/36A
Max. Short Circuit Current	42A/42A/42A	42A/42A/42A
Number of MPPT Trackers	3	4
Battery Voltage Range	220-800V	220-800V
Max.Charge/Discharge Power	30000W/30000W	40000W/40000W
Battery Type	Li-ion/Lead-acid	Li-ion/Lead-acid
Nominal Output Power	30000W	40000W
Max. Apparent Power	30000VA	40000VA
Max. Output Current	45A	60A
Total Harmonics Distortion	<3%	<3%
Nominal Output Power	30000W	40000W
Nominal Output Voltage	380V400V,3L/N/PE	380V400V,3L/N/PE
Nominal Output Frequency	50Hz/60Hz	50Hz/60Hz
Max. Output Current	45A	60A
Installation	Wall-mounted	Wall-mounted
Dimension (W×D×H)mm	800×350×875	800×350×875
Weight	102kg	102kg
Ingress Protection Rating	IP54/IP65	IP54/IP65
Safety Standards	IEC62109-1-2	IEC62109-1-2
Operating Temperature Range	-25˚C-60˚C (>45˚C Derating)	-25˚C-60˚C (>45˚C Derating)
Cooling	Intelligent Fan	Intelligent Fan
Cloud Communication	RS485 (WIFI/4G/GPRS optional)	RS485 (WIFI/4G/GPRS optional)
EMC Standards	EN61000-6-1/-3,IEC61000	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.

Three-phase hybrid grid energy storage inverter

HJ-IH50-W500T/HJ-IH60-W500T

Product Introduction

This inverter is suitable for industrial energy storage systems, supports seamless switching between grid-connected and off-grid, and operates stably and reliably. Integrated photovoltaic and energy storage control system, supporting intelligent management of multiple battery types and EMS, featuring a wide voltage input range and modular expansion capability. It features IP54 protection, ultra-quiet design, and supports remote upgrades and efficient charging and discharging, enhancing the overall power generation efficiency.

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

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HJ-IH30-W500T/HJ-IH40-W500T

Technical Specification

Parameter

Model	HJ-IH50-W500T（A-18）	HJ-IH60-W500T（A-19）
Max. Input Power	75000W	90000W
Max. Input Voltage	1000V	1000V
MPPT Operating Voltage Range	180-900V	180-900V
Start-up Voltage	180V	180V
Max. Input Current	36A/36A/36A/36A	36A/36A/36A/36A
Max. Short Circuit Current	42A/42A/42A/42A	42A/42A/42A/42A
Number of MPPT Trackers	4	4
Battery Voltage Range	220-800V	220-800V
Max.Charge/Discharge Power	50000W/50000W	60000W/60000W
Battery Type	Li-ion/Lead-acid	Li-ion/Lead-acid
Nominal Output Power	50000W	60000W
Max. Apparent Power	50000VA	60000VA
Max. Output Current	45A	60A
Total Harmonics Distortion	<3%	<3%
Nominal Output Power	50000W	60000W
Nominal Output Voltage	380V400V,3L/N/PE	380V400V,3L/N/PE
Nominal Output Frequency	50Hz/60Hz	50Hz/60Hz
Max. Output Current	75A	90A
Installation	Wall-mounted	Wall-mounted
Dimension (W×D×H)mm	800×350×875	800×350×875
Weight	102kg	102kg
Ingress Protection Rating	IP54/IP65	IP54/IP65
Safety Standards	IEC62109-1-2	IEC62109-1-2
Operating Temperature Range	-25˚C-60˚C (>45˚C Derating)	-25˚C-60˚C (>45˚C Derating)
Cooling	Intelligent Fan	Intelligent Fan
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