Three-phase hybrid grid energy storage inverter

HJ-IH10-W500T/HJ-IH12-W500T/HJ-IH15-W500T

Product Introduction

This inverter is suitable for medium and large-sized household photovoltaic energy storage systems. It supports intelligent switching and three-phase unbalanced loads, ensuring that key equipment does not lose power. It features a wide PV input of 180V-900V, wide battery voltage adaptability and UPS function, achieving efficient energy management. IP65 protection, intelligent monitoring, multiple communication methods, easy installation, with a maximum efficiency of 98.2%

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

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HJ-IH10-W500T/HJ-IH12-W500T/HJ-IH15-W500T

Technical Specification

Parameter

Model	HJ-IH10-W500T(A-10)	HJ-IH12-W500T(A-11)	HJ-IH15-W500T(A-12)
Maximum PV input Power	1500OW	18000W	22500W
Max. Input Voltage	1000V	1000V	1000V
MPPT Operating Voltage Range	180-900V	180-900V	180-900V
Start-up Voltage	120V	120V	120V
Max. Input Current	15A/15A	15A/15A	15A/28A
Max. Short Circuit Current	18A/18A	18A/18A	18A/32A
Number of MPPT Trackers	2	2	2
Battery Voltage Range	180-550V	180-700V	180-700V
Max.Charge/Discharge Power	10000W/10000W	12kW/12kW	12kW/12kW
Battery Type	Li-ion/Lead-acid	Li-ion/Lead-acid	Li-ion/Lead-acid
Nominal Output Power	10000W	12000W	15000W
Max. Apparent Power	10000W	12000W	15000W
Max. Output Current	15A	18A	22A
Total Harmonics Distortion	<3%	<3%	<3%
Nominal Output Power	10000W	12000W	15000W
Nominal Output Voltage	380V400V,3L/N/PE	380V400V,3L/N/PE	380V400V,3L/N/PE
Nominal Output Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Max. Output Current	15A	15A	15A
Installation	Wall-mounted	Wall-mounted	Wall-mounted
Dimension (W×D×H)mm	505×220×570	500×220×630	500×220×630
Weight	29kg	34kg	34kg
Ingress Protection Rating	IP65	IP65	IP65
Safety Standards	IEC62109-1-2	IEC62109-1-2	IEC62109-1-2
Operating Temperature Range	-25℃-60℃ (>45℃ Derating)		
Cooling	Natural Convection	Natural Convection	Natural Convection
Cloud Communication	RS485 (WIFI/4G/GPRS optional)		
EMC Standards	EN IEC 61000-6-1, -3		

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-IH17-W500T/HJ-IH20-W500T

Product Introduction

This inverter is suitable for medium and large-sized household photovoltaic energy storage systems. It supports intelligent switching and three-phase unbalanced loads, ensuring that key equipment does not lose power. It features a wide PV input of 180V-900V, wide battery voltage adaptability and UPS function, achieving efficient energy management. IP65 protection, intelligent monitoring, multiple communication methods, easy installation, with a maximum efficiency of 98.2%

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

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HJ-IH17-W500T/HJ-IH20-W500T
Technical Specification

Parameter

Model	HJ-IH17-W500T（A-13）	HJ-IH20-W500T（A-15）
Maximum PV input Power	25500W	30000W
Max. Input Voltage	1000V	1000V
MPPT Operating Voltage Range	180-900V	180-900V
Start-up Voltage	120V	120V
Max. Input Current	15A/15A	15A/15A
Max. Short Circuit Current	28A/28A	28A/28A
Number of MPPT Trackers	2	2
Battery Voltage Range	180-700V	180-700V
Max.Charge/Discharge Power	17kW/17kW	20kW/20kW
Battery Type	Li-ion/Lead-acid	Li-ion/Lead-acid
Nominal Output Power	17000W	20000W
Max. Apparent Power	17000VA	20000VA
Max. Output Current	25A	31A
Total Harmonics Distortion	<3%	<3%
Nominal Output Power	17000W	20000W
Nominal Output Voltage	380V400V,3L/N/PE	380V400V,3L/N/PE
Nominal Output Frequency	50Hz/60Hz	50Hz/60Hz
Max. Output Current	15A	15A
Installation	Wall-mounted	Wall-mounted
Dimension (W×D×H)mm	500×220×630	500×220×630
Weight	35kg	35kg
Ingress Protection Rating	IP65	IP65
Safety Standards	IEC62109-1-2	IEC62109-1-2
Operating Temperature Range	-25℃-60℃ (>45℃ Derating)	
Cooling	Intelligent Fan	Intelligent Fan
Cloud Communication	RS485 (WIFI/4G/GPRS optional)	
EMC Standards	EN IEC 61000-6-1, -3	

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.