Single-phase energy storage inverter (hybrid grid)

HJ-IH03-W500S/HJ-IH04-W500S/HJ-IH05-W500S

Product Introduction

This inverter supports seamless on-grid and off-grid switching and emergency power supply, is compatible with three-phase unbalanced loads, and ensures uninterrupted power supply. It features a wide voltage input range and an efficient MPPT algorithm, with a power generation efficiency as high as 98.2%. Equipped with IP65 protection, intelligent monitoring and multiple communication methods, it is stable and reliable, and easy to install.

- Integrated photovoltaic energy storage
- Intelligent switching
- Wide voltage input
- Safe and reliable
- Intelligent and friendly
- Efficient power generation

HUIJUE GROUP

HJ-IH03-W500S/HJ-IH04-W500S/HJ-IH05-W500S

Technical Specification

Parameter

Product Model	HJ-IH03-W500S（A-1）	HJ-IH04-W500S（A-2）	HJ-IH05-W500S（A-3）
Max, Input Power	4500W	6300M	7500M
Max.Input Voltage	600V	900A	900A
MPPT Operating Voltage Range		80-500A	
Start-up Voltage		60A	
Nominal Input Voltage		360A	
Max.Input Current		16A	
Max.Short Circuit Current		25A	
Number of MPPT Trackers		2	
Battery Voltage Range		85-450V	
Max.Charge/ Discharge Current		30A/30A	
Max.Charge/ DischargePower	3000W/3000W	4200W/4200W	5000W/5000W
Nominal Output Voltage		230V	
Nominal Output Frequency		50Hz/60Hz	
Max.Output Current	13A	18.3A	21.7A
Nominal Output Power	3000W	4200W	5000W
Max,Output Power	3000W	4200W	5000W
Nominal Output Voltage		230V	
Max.Output Current	13A	18.3A	21.7A
Nominal Output Frequency		50Hz/60Hz	
Ingress Protection Rating		IP65	
Relative Humidity		0-90%	
Display		LCD,WIFi+APP	
Communication		WIFi/RS485/GPRS	
Installation		Wall-mounted	
Dimension (W*D*H)		390*192*407mm	
Weight		17kg	

Application Scenarios

Residential Solar Systems:

Ideal for homes seeking to reduce electricity bills while maintaining power supply during outages.

Commercial Buildings:

Provides reliable energy management for offices, optimizing the use of solar energy and battery storage to reduce operational costs

Single-phase energy storage inverter (hybrid grid)

HJ-IH06-W500S/HJ-IH07-W500S/HJ-IH08-W500S

Product Introduction

This inverter supports seamless on-grid and off-grid switching and emergency power supply, is compatible with three-phase unbalanced loads, and ensures uninterrupted power supply. It features a wide voltage input range and an efficient MPPT algorithm, with a power generation efficiency as high as 98.2%. Equipped with IP65 protection, intelligent monitoring and multiple communication methods, it is stable and reliable, and easy to install.

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HJ-IH06-W500S/HJ-IH07-W500S/HJ-IH08-W500S

Technical Specification

Parameter

Product Model	HJ-IH06-W500S(A-4)	HJ-IH07-W500S(A-5)	HJ-IH08-W500S(A-6)
Max, Input Power	9000W	10500W	12000W
Max.Input Voltage	900A	900A	600V
MPPT Operating Voltage Range		80-500A	
Start-up Voltage		60A	
Nominal Input Voltage		360A	
Max.Input Current		16A	
Max.Short Circuit Current		25A	
Number of MPPT Trackers		2	
Battery Voltage Range		85-450V	
Max.Charge/ Discharge Current		30A/30A	
Max.Charge/ DischargePower	6000W/6000W	7000W/7000W	8000W/8000W
Nominal Output Voltage		230V	
Nominal Output Frequency		50Hz/60Hz	
Max.Output Current	26A	30.4A	34.8A
Nominal Output Power	6000W	7000W	8000W
Max,Output Power	7000W	7000W	8000W
Nominal Output Voltage		230V	
Max.Output Current	26A	30.4A	34.8A
Nominal Output Frequency		50Hz/60Hz	
Ingress Protection Rating		IP65	
Relative Humidity		0-90%	
Display		LCD,WIFi+APP	
Communication		WIFi/RS485/GPRS	
Installation		Wall-mounted	
Dimension (W*D*H)		390*192*407mm	
Weight		17kg	

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