

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



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.



Integrated photovoltaic energy storage



Intelligent switching



Wide voltage input



Safe and reliable



Intelligent and friendly



Efficient power generation



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		

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