



Hybrid Grid-Tied Inverter

HJ-IH48753T(E-15)

HJ-IH48803T(E-16)



Product Description

Designed specifically for residential PV-storage systems, it integrates grid-tied PV, energy storage management, and off-grid backup functionalities into a single unit. Featuring intelligent dual-mode switching technology, it seamlessly transitions between "self-consumption + surplus grid feed-in" and full off-grid operation, compatible with lithium-ion/lead-acid battery storage systems. With 10ms-class rapid switching capability, it ensures uninterrupted power supply to critical loads.

Product Features



Available PV power twice the rated inverter capacity



Perfectly matched high-power photovoltaic modules



Supports fast charging



Implement demand control and anti-backflow functions

Parameter

Production Model	HJ-IH48753T(E-15)	HJ-IH48803T(E-16)
Max. Input Power	150 kW	160 kW
MPPT Operating Voltage Range	150 - 950 V	
Max.Short Circuit Current	10 × 42 A	
Number of MPPT Trackers	10	
Battery Voltage Range	300 - 950 V	
Max.Charge/Discharge Current	200 A / 100 A + 100 A	
Battery Type	li-ion	
Nominal Power	75kw	80kw
Nominal Voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V	
Nominal Frequency	50/60Hz	
Max.Current	114 A / 108.3 A	121.6 A / 115.5 A
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)	
Operating Temperature Range	-25 ~ +60°C	
Cooling	Intelligent fan-cooling	
Relative Humidity	0 - 100%	
Display	LCD	
Communication	CAN, RS485-115200, Ethernet, Optional: Wi-Fi, Cellular, LAN	
Installation	Wall-mounted	
Dimension (W*D*H)	1174 × 814 × 400 mm	
Weight	170 kg	
Production Certification	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4, EN 55011	

Application Scenarios

This product features flexibility, high performance, and intelligent management capabilities. It can provide users with efficient, reliable, and cost-effective energy storage solutions, meeting the diverse energy needs in residential, and commercial sectors.



Hybrid Grid-Tied Inverter

HJ-IH48104T(E-17)

HJ-IH48124T(E-18)



Product Description

Designed specifically for residential PV-storage systems, it integrates grid-tied PV, energy storage management, and off-grid backup functionalities into a single unit. Featuring intelligent dual-mode switching technology, it seamlessly transitions between "self-consumption + surplus grid feed-in" and full off-grid operation, compatible with lithium-ion/lead-acid battery storage systems. With 10ms-class rapid switching capability, it ensures uninterrupted power supply to critical loads.

Product Features



Available PV power twice the rated inverter capacity



Perfectly matched high-power photovoltaic modules



Supports fast charging



Implement demand control and anti-backflow functions

Parameter

Production Model	HJ-IH48104T(E-17)	HJ-IH48124T(E-18)
Max. Input Power	200 kW	250 kW
MPPT Operating Voltage Range	150 - 950 V	
Max.Short Circuit Current	10 × 42 A	
Number of MPPT Trackers	10	
Battery Voltage Range	300 - 950 V	
Max.Charge/Discharge Current	200 A / 100 A + 100 A	
Battery Type	li-ion	
Nominal Power	100kw	125kw
Nominal Voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V	
Nominal Frequency	50/60Hz	
Max.Current	151.9 A / 144.3 A	189.9 A / 180.4 A
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)	
Operating Temperature Range	-25 ~ +60°C	
Cooling	Intelligent fan-cooling	
Relative Humidity	0 - 100%	
Display	LCD	
Communication	CAN, RS485-115200, Ethernet, Optional: Wi-Fi, Cellular, LAN	
Installation	Wall-mounted	
Dimension (W*D*H)	1174 × 814 × 400 mm	
Weight	170 kg	
Production Certification	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4, EN 55011	

Application Scenarios

This product features flexibility, high performance, and intelligent management capabilities. It can provide users with efficient, reliable, and cost-effective energy storage solutions, meeting the diverse energy needs in residential, and commercial sectors.