



Hybrid Grid-Tied Inverter

HJ-IH4853T(E-11)

HJ-IH4883T(E-13)



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-IH4853T(E-11)	HJ-IH4883T(E-13)
Max. Input Power	8KW	10.4KW
MPPT Operating Voltage Range	150-850V	200-850V
Max.Short Circuit Current	16/16A	
Number of MPPT Trackers	2	
Battery Voltage Range	140-750V	
Max.Charge/Discharge Current	25/25A	
Battery Type	Li-ion / Lead-acid	
Nominal Power	5KW	8KW
Nominal Voltage	3L/N/PE, 230/400V	
Nominal Frequency	50/60 45-55/55-65 Hz	
Max.Current	8.3A	13.3A
Power Factor	0.8 leading...0.8 lagging	
Operating Temperature Range	-30-60	
Cooling	Natural Convection	
Relative Humidity	0 ~ 100%	
Display	OLED/LED	
Communication	WiFi / LAN (Optional)	
Installation	Wall-mounted/bracket	
Dimension (W*D*H)	550*410*175mm	
Weight	26-28kg	
Production Certification	IEC62109、IEC62116、VDE4105、VDE0126、AS4777、RD1699、NBR16149、IEC61727、IEC60068、IEC61683、EN50549、EN61000	

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.