Hybrid Grid-Tied Inverter

HJ-IH48603T(E-14)

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.

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Parameter

Production Model	HJ-IH48603T(E-14)
Max, Input Power	102KW
MPPT Operating Voltage Range	180-900V
Max.Short Circuit Current	36/36/36/36
Number of MPPT Trackers	4
Battery Voltage Range	200-850V
Max.Charge/Discharge Current	140/140A
Battery Type	Li-ion/Lead-acid
Nominal Power	60KW
Nominal Voltage	380/400V,3L/N/PE50/60
Nominal Frequency	50/60Hz
Max.Current	95A
Power Factor	~1(0.8 lead to 0.8 lag can be set)
Operating Temperature Range	-25~60(>45 derating)
Cooling	Forced air cooling
Relative Humidity	0~95， No condensation
Display	LCD
Communication	Rs485
Installation	Wall-mounted/bracket
Dimension (W*D*H)	800*875*350
Weight	100kg(Excluding back hanging board)
Production Certification	IEC/EN 62109-1/-2 IEC/EN 61000-6-1/-2/-3/-4

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

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.