Hybrid Grid-Tied Inverter

HJ-IH4863T(E-12)

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-IH4863T(E-12)
Max, Input Power	9KW
MPPT Operating Voltage Range	150-850V
Max.Short Circuit Current	18.5*2A
Number of MPPT Trackers	2/2
Battery Voltage Range	80-600V
Max.Charge/Discharge Current	30A
Battery Type	Li-ion / Lead-acid / Sodium metal chloride battery
Nominal Power	6
Nominal Voltage	3P+N+PE/3P+PE 230/400
Nominal Frequency	50/60
Max.Current	10.5
Power Factor	1（-0.8-0.8 adjustable）
Operating Temperature Range	-25 to 60 ℃
Cooling	Natural Convection
Relative Humidity	0 ~ 100%
Display	LCD/ LED
Communication	RS485, CAN, Wi-Fi, GPRS, 4G
Installation	Wallet
Dimension (W*D*H)	370 x 598.5 x 192mm
Weight	22kg
Production Certification	NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2

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.