High-Efficiency Single-Phase Grid-Tied Photovoltaic Inverter

HJ-IG4823S(E-19)/HJ-IG4853S(E-21)

Product Introduction

Designed specifically for residential PV systems, it supports single-phase grid connection at 220V/230V. By integrating advanced MPPT (Maximum Power Point Tracking) algorithms and intelligent grid interaction technology, it ensures efficient conversion of solar energy and safe grid integration, helping homeowners reduce electricity costs and enhance energy self-sufficiency.

Parameter

Production Model	HJ-IG4823S(E-19)	HJ-IG4853S(E-21)
Max, Input Power	3KW	4.5KW
MPPT Operating Voltage Range	50V - 550V	
Max.Short Circuit Current	20A	
Number of MPPT Trackers	1	
Nominal Power	2KW	3KW
Nominal Voltage	220/230/240V	
Nominal Frequency	50HZ/60HZ	
Max.Current	10A	15A
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)	
Operating Temperature Range	-30° C ~ +60° C	
Cooling	Natural	
Relative Humidity	0~100%	
Display	LCD / LED+APP	
Communication	RS485/WiFi/4G	
Installation	Wall-mounted	
Protection Degree	IP66	
Dimension (W*D*H)	270 x 250 x 130 mm	
Weight	6Kg	
Production Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116	

Product Features

- Efficient Higher Revenue
- Intelligent Simple 0&M
- Intelligent Fault Detection
- Reliable Worry Free

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.