H6000-OG

3.6-6kW Single-phase Off-grid Inverter

3.6kW/4kW/5kW/6kW

Generator Function Optional



- 94% Maximum conversion efficiency, Intelligent off-grid & hybrid modes
- Support multiple supply (PV, Grid and Diesel Generator)
- Backup switch time ≤10ms
- Single/ Three phase parallel up to 6 units, Max. output power up to 36kW, Max. PV input up to 54kW
- Smart load management (Secondary output port), intelligent load management and automated start/ stop of diesel engines via dry contacts
- User-friendly settings:
  1.Use of LCD screen, button screen for easier operation;
  2. Real-time view of the working condition of PV power plant and equipment on Hinen APP, with error detection and alarm notification function

Technical Specification

Model	H3600-OG	H4000-OG	H5000-OG	H6000-OG
AC Input				
AC Input Voltage(VAC)	230VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)			
Frequency Range(Hz)	50/60 (Auto sensing)			
AC Output				
Rated Power	3600VA3600W	4000VA/4000W	5000VA/5000W	6000VA/6000W
AC Voltage Regulation (Battery Mode)	230VAC ± 5% @ 50/60Hz			
Surge Power(VA)	7200	8000	10000	12000
Efficiency (Peak)(%)	94			
Wave form	Pure sine wave			
Transfer Time (UPS/APL/GEN)	10ms Max/15ms Max/30ms Max			
Parallel Capability	Yes, 6 units maximum			
Battery				
Battery Voltage(VDC)	48			
Floating Charge Voltage(VDC)	54			
Overcharge Protection(VDC)	63			
Battery Type	Lithium/Lead-acid			
SOLAR CHARGER & AC CHARGER				
Solar Charger type	MPPT			
Maximum PV Array Power(W)	9000			
MPPT Range @ Operating Voltage (VDC)	150 ~ 450			
Number of Independent MPP Trackers/ Strings Per MPP Tracker	2/1			
Max. input current per MPP tracker (A)	16			
Maximum PV Array Open Circuit Voltage(VDC)	530			
Maximum Solar Charge Current(A)	90	100	110	120
Maximum AC Charge Current(A)	60			
Maximum Charge Current (Solar and AC)(A)	90	100	110	120
GEN input (Optional)				
	230VAC, 50HZ/60HZ 37A, 1Φ			

* Different generators have different conversion times.

Technical Specification

Model	H3600-OG	H4000-OG	H5000-OG	H6000-OG
Two Load Output Power(Optional)				
Full Load	3600W	4000W	5000W	6000W
Maximum Main Load	3600W	4000W	5000W	6000W
Maximum Second Load	2066W			
Main Load cut off Voltage	44V			
Main Load Retu m Voltage	48V			
Physical				
Protection Degree	IP21			
Dimension (W/H/D)(mm)	475/422/125			
Net Weight (kg)	12.6			
Operating Environment				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Altitude(m)	<2000			
Operating Temperature(°C)	0 - 55			
Storage Temperature(°C)	-25- 60			
Features				
Display	LCD+LED			
Communication Interface	CAN/RS485/WIFI/DRY Connector			
Warranty	2 year			