# 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

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## 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 |
| **Physical** | | | | |
| Protection Degree | IP21 | | | |

* Different generators have different conversion times.

# Technical Specification

| Model | H3600-OG | H4000-OG | H5000-OG | H6000-OG |
|---|---|---|---|---|
| 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 | | | |