

Residential Series



HYBRID – OGH MAX SERIES

Single Phase



INV-OGH-8.0KW-48V

INV-OGH-10.0KW-48V

INV-OGH-11KW-48V

Key Features:

-  Built-In Anti-Dust Kit
-  Increased PV Power
-  7" Touchscreen HMI LCD
-  Status Indication With RGB Lights
-  Built-In Meter Calibration For Optimized System Operation
-  Built-In WiFi With APP For Mobile Monitoring & OTA Firmware Upgrade
-  Maximum PV Input Current 27A
-  Supports USB On-the-Go Function
-  Built-In BMS Communication Port
-  Battery Independent Design
-  Dual Outputs and Dual Inputs For Smart Energy Management
-  External CT Sensor to Guarantee 100% Self-Consumption

Model	INV - OGH-8.0KW-48V		INV - OGH-10.0KW-48V		INV - OGH-11KW-48V	
RATED POWER	8000VA/8000W		10000VA/10000W		11000VA/11000W	
PARALLEL CAPABILITY	YES, 6 units					
Input						
Voltage	230 VAC					
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)					
Frequency Range	50 Hz/60 Hz (Auto sensing)					
Output						
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%					
Surge Power	16000VA	20000VA		22000VA		
Efficiency (Peak)	93%					
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)					
Waveform	Pure sine wave					
DC Voltage	12 VDC ± 5%, 100W					
Battery						
Battery Voltage	48 VDC					
Floating Charge Voltage	54 VDC					
Overcharge Protection	66 VDC	66 VDC		63 VDC		
Solar Charger & AC Charger						
Solar Charger Type	MPPT					
Maximum PV Array Power	11000W (5500W x 2)	10000W (5000W x 2)		13000W (6500W x 2)		
MPPT Range @ Operating Voltage	90 ~ 450 VDC					
Maximum PV Array Open Circuit Voltage	500 VDC					
Maximum PV Input Current	27A x 2 (MAX 40A)					
Maximum Solar Charge Current	150A					
Maximum AC Charge Current	120A	150A				
Maximum Charge Current	150A					
Physical						
Dimensions (Excluding Connectors)	158.4(D) mm x 503.6(W) mm x 530.8(H) mm					
Net Weight (kgs)	20 kg					
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact					
Operating Environment						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operating Temperature	-10°C to 50°C					
Storage Temperature	-15°C to 60°C					
STANDARD						
Compliance Safety	CE					