

Residential Series



HYBRID OGH MAX PLUS Single Phase



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INV-HD-6.0kW-48V

Key Features:

-  IP54 Rated Enclosure
-  Standard RS232/USB, CAN & RS485 (for BMS); Optional Wifi
-  Built-in MPPT Solar Charger For Efficient Pv Energy Harvesting
-  Max PV Array Open Voltage 500VDC; MPPT Voltage Range 60–450VDC
-  Off-grid Standard, On-grid Optional; Two Outputs For Smart Load Management
-  Lithium Or Lead-acid, With Battery Equalization Function To Extend Life Cycle
-  93% Peak Efficiency; Fast Transfer Time (10ms For PCS, 20ms For Home Appliances)
-  Ac Overcurrent, Overvoltage, Over-temperature Protection, Smart Load Management

TECHNICAL SPECIFICATION	
Rated Power	INV-HD-6.0kW-48V
AC INPUT	
AC Voltage	230VAC
Voltage Range	170-280VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50/60Hz (Auto sensing)
AC OUTPUT	
Surge Power	12000VA
AC Voltage Regulation (Battery Mode)	230VAC $\pm$ 5%
Rated Frequency	50/60Hz
Efficiency (Peak)	93%
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
Battery Type	Lithium/Lead-acid
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Voltage(V)	500VDC
Maximum PV Array Power	2*4000W
MPPT voltage Range(V)	60~450VDC
Maximum Input Current	2*16A
MPPT Tracker / Strings	2
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PROTECTION & FEATURE	
AC Overcurrent	Yes
AC Overvoltage	Yes
Over Temperature Protection	Yes
Smart Load Management	Yes
Parallel Function	Yes (Optional,6 units)
GENERAL PARAMETERS	
Dimentions (L/W/H)	56 / 47.5 / 13.5 cm
Weight	15.9kg
Operation Temperature	-10°C ~ 50°C
Relative Humidity	5% ~ 95% (Non-condensing)
Altitude	(2000m Derating)
COMMUNICATION	
Interface	Standard: RS232,USB; CAN&RS485; Optional:WiFi
Safety Standard	EN/IEC62109-1,EN/IEC62109-2