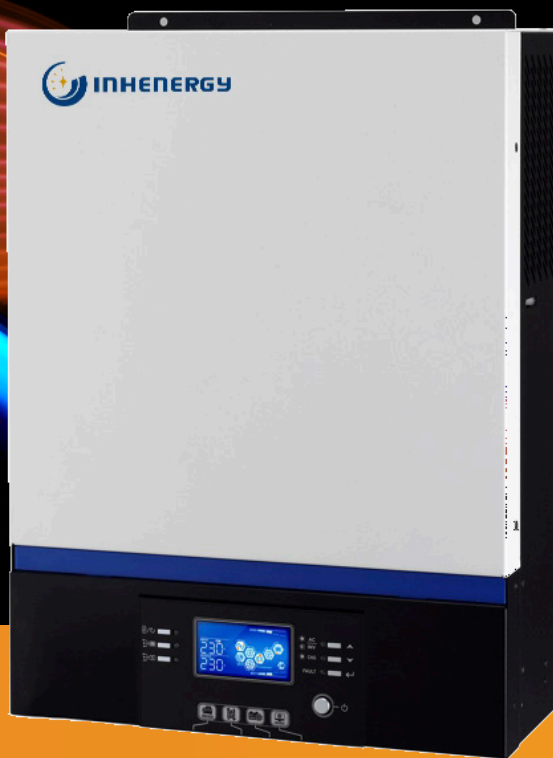


Off Grid Solar Inverter

NI-5048M-HF



- Pure sine wave solar inverter
- Output power factor 1.0
- WIFI&Bluetooth available for Android
- Built-in 100A MPPT solar charger
- High PV input voltage range(120~500VDC)
- Smart battery charge design to optimise battery life
- Reserved communication port (RS485,CAN-BUS or RS232) for BMS
- Built-in Remote LCD Display

Solar System Connection


Max.Efficiency
93%

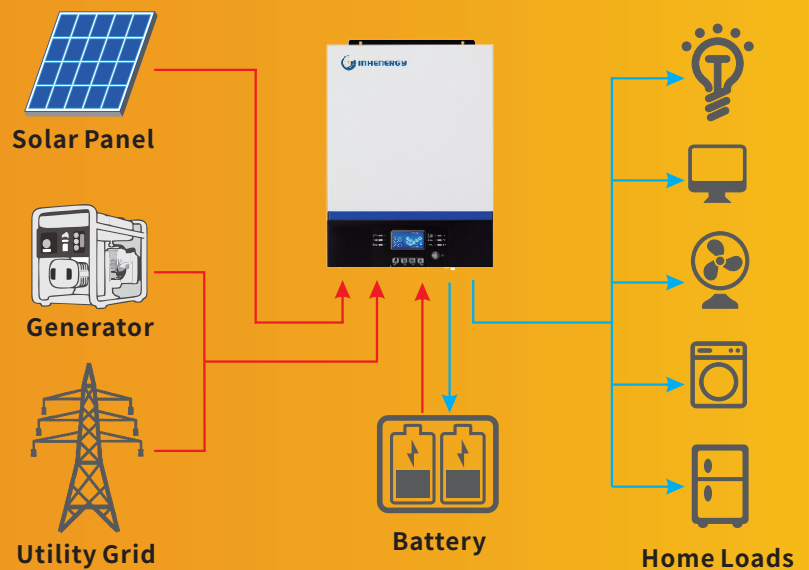

100A MPPT



RS485/WIFI
Bluetooth



IP21
Ingress
Protection



Technical Data	NI-5048M-HF
Rated power	5000V A/5000W
AC Input Data	
Voltage	230VAC
Selectable voltage range	170-280V AC (for personal computers) 90-280V AC (for home appliances)
Frequency range	50Hz/60Hz (auto sensing)
A C Output Data	
AC voltage regulation (Batt.mode)	230VAC±5%
Surge power (5 seconds)	10000V A
Efficiency (peak)	93%
Transfer time	10ms(for personal computers); 20ms (for home appliances)
Battery & AC charger	
Battery voltage	48VDC
Floating charge voltage	54VDC
Overcharge protection	63VDC
Max. AC charge current	100A
Solar charger	
Max. PV array power	5000W
MPPT range@ operating voltage	120V-450VDC
Max. PV array open circuit voltage	500VDC
Max. Solar charge current	100A
General Data	
Dimensions (W/L/H) in mm	300/400/115
Weight	10kg
Humidity	5%-95% relative humidity (non-condensing)
Operation temperature range	-10 °C~+55 °C
Storage temperature range	-15 °C~+60 °C

KEY FEATURES

