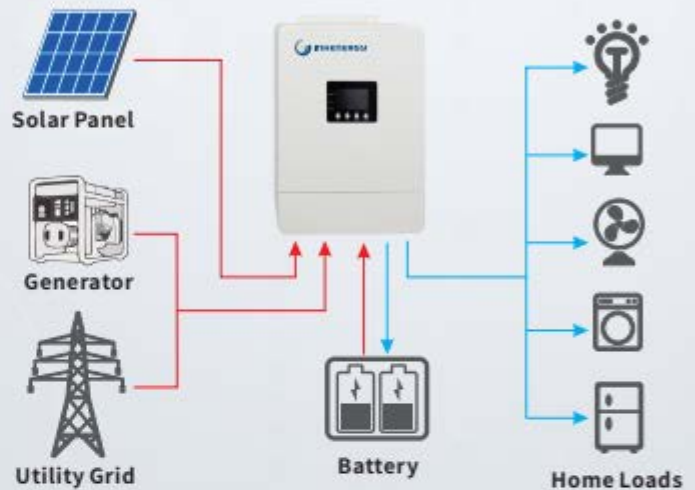


Off Grid Solar Inverter

NI-5048M-HFC



Solar System Connection



Max. Efficiency
93%



100A MPPT



RS232/WIFI



IP20

- Max. PV input with high power MPPT inbuilt.
- High efficiency pure sine wave inverter (PF=0.8~1).
- Field serviceable with replacement boards and spare parts.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Monitor, troubleshoot, or communication with USB/RS232/WIFI.
- Max parallel connection up to 9 units to set as 45KVA system.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility input range(90Vac-280Vac) for unreliable grid even in the most challenging environments.

Technical Data	NI-5048M-HFC
AC Input	
Nominal voltage	230VAC
Selectable voltage range	170-280VAC (for personal computers) 90-280VAC (for home appliances)
Frequency range	50Hz/60Hz (auto sensing)
AC Output	
Rated power	5000VA/5000W
Parallel capacity	9 units max.
Nominal output voltage	220V/230V/240V
Nominal output frequency	50Hz/60Hz (by setting)
Surge power	10000W
Max. efficiency	93%
THDV	<5%
Transfer time	10ms(for personal computers); 20ms (for home appliances)
Output mode	on grid / off grid
AC charger	
Nominal AC input voltage	220V/230V/240V
Max. AC charge current	80A
AC voltage range	180V-275VAC
Frequency range	50Hz/60Hz
Battery	
Battery voltage	48VDC
Battery voltage range	40-58VDC
Battery type	Lithium/Lead-acid
Solar charger	
Max. PV array power	6000W
MPPT range	120V-430VDC
Max. PV array voltage	450VDC
Max. solar charge current	100A
Max. efficiency	93%
General Data	
Protection degree	IP20
Dimensions (W/L/H) in mm	315/477/131
Weight	13kg
Humidity	5%-95% relative humidity (non-condensing)
Operation temperature range	0°C~+50°C
Storage temperature range	-15°C~+60°C