

Off-Grid Inverters

Smart Energy Management

Safe | Reliable | User-friendly

Why use an Off-Grid Inverter?

The Magneto inverter is a high-performance, fully automated solar inverter with Off-Grid capability. A compact single-phase energy management solution.

Energy independence for peace of mind

An Inverter's function is to convert DC (Direct Current) generated from PV (Photo Voltaic) into usable AC (Alternating Current).

The Magneto Inverter uses Solar generation to produce pure sine wave AC, and by making use of battery backup, the automated system will supply, store and distribute electricity efficiently according to your needs.

Power For Peace Of Mind



2 YEAR WARRANTY

Models: IMI204 - 24V 3kW Off Grid Inverter
IMI802 - 48V 5kW Off Grid Inverter



Pure sine wave



Output Power Factor 1



Compatible to AC Mains
or generator power



Auto-restart during AC recovery



Overload and short-circuit
protection



Cold Start function



LCD screen display



Built-in anti-dust filter

Off-Grid Inverters

MODEL	IMI204 - 24V 3kW Off Grid Inverter	IMI802 - 48V 5kW Of Grid Inverter
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capacity	N/A	
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	6000VA	10000VA
Efficiency (Peak)	92% ~ 93%	
Transfer Time	10 ms (For personal Computer) - 20 ms (For Home Applications)	
Waveform	Pur Sine Wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	102V DC	145 VDC
Maximum PV Array Power	1000W	3000W
MPP Range @ Operating Voltage	30 - 80 VDC	60 ~ 115 VDC
Maximum Solar Charge Current	40A	60A
Maximum AC Charge Current	25A	60A
Maximum Charge Current	60A	120A
PHYSICAL		
Dimension, D X W X H (mm)	100 x 285 x 334	100 x 300 x 440
Net Weight (kgs)	6,3	9,7
Communication Interface	USB/RS232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	



Contact our friendly and efficient team to discuss an energy solution that fits your lifestyle.

magneto
RENEWABLE ENERGY

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