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Genus
energizing lives

Empowering Homes, Uninterrupted

with the power of lithium-ion

Experience uninterrupted power supply and enhanced efficiency with this cutting-edge inverter technology. Designed to meet the demands of modern households, this inverter offers exceptional performance and convenience.

With its compact design and inbuilt lithium-ion battery, **MaxiLion** provides a reliable backup power source during outages, ensuring seamless operation of essential appliances and electronics.

Applications





Inbuilt 1280Wh Li-ion Battery

5 Years BATTERY WARRANTY

3 Years SYSTEM WARRANTY

MAXILION

1000VA

- Life Upto 12 Years
- LCD + LED Display
- Zero Maintenance No Acid Fume
- Quick Charging (4-5 Hrs)
- 18 Amp Charging Current
- Eco Friendly

Save up to 4000/- per year compared to normal battery inverter

MAXILION
1000VA

Technical Specifications

Mains (Grid) Mode Normal Mode (Wide Window)	
Grid Range	90 VAC-290VA ± 15VAC
Mains (Grid) Mode UPS Mode (Narrow Window)	
Grid Range	180VAC-265VAC ± 5VAC
Battery Charging	
Grid Charging Current to Battery	18 Amp
Modes	
Power Switch	Via Switch (Front Side)
UPS/NORMAL Mode	Via Switch (Front Side)
Output Parameters	
Wave form type	Pure Sine Wave
Output Voltage Regulation throughout Battery range/load	220V±10%
Output Frequency	50Hz±0.5Hz
Peak Efficiency (with linear load)	> 73%
Distortion (THD)	≤ 3% (At Linear Load)
Overload Protection	Provided at >100% with manual reset
Low Battery Protection	Provided at <11.8V with manual reset
Short circuit Protection	Provided at >300% with manual reset
Over Temperature Protection	Provided at >90 deg. C
Change Over Time (Approx.)	
In UPS Mode	≤12millisecond
In Normal Mode	≤50 millisecond
Battery Parameter	
Boost Voltage	14V ± 0.2V
Low Battery Warning	12V ± 0.2V
Low Battery Cut	11.8V ± 0.2V
Battery Type	Lithium-ion (* as per system specifications)
Environment	
Forced cooling	Through DC Cooling FAN
Humidity	0-90% non condensing
Operating & Storage Temperature	0-40 deg. C
Display Parameters	
Display Type	LCD
DUAL DISPLAY LCD+LED (GRAPHICAL REPRESENTATION)	LCD shows - Mains Voltage, Load voltage , Battery voltage , Battery current , protection display , Mains HI, Mains Low status
	LED 1 - Mains (constant glow when mains avilable)
	LED 2 - Switch (constant glow when mains avilable , blink when backup
	LED 3 - Fault (constant glow when any protection occur)
Switch	
Switches	Switch 1 : Power ON/OFF
	Switch 2: UPS/NOR Mode
Dimensions	280X320X340 MM approx
Weight	25 Kg approx

Battery Specification 12.8V 100Ah

Parameters	Specification
Battery Rating	12.8V ,100AH
Application	Inverter
Weight (Approximate)	10.25Kg
Size(l*w*h)	(232*194*137)MM
Warranty	5 Years
Efficiency	> 95% @1C discharging

* Specifications are subject to change without any prior notice.

Genus Innovation Limited
(A Kailash Group Company)

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