

Introducing our
MPPT Solar Inverter
with an inbuilt Li-ion battery

MAXILION ONE
2400VA



Introducing **MaxiLion One** with Maximum power point technology (MPPT) Solar Inverter with inbuilt Li-ion battery – a powerful, all-in-one solution for efficient energy storage and solar power.

MaxiLion One provides a reliable backup power source during outages and It incorporates advanced MPPT algorithms for efficient energy management which Automatically adjusts to temperature changes, shading, and irradiances for consistent maximum performance. Ideal for homes and businesses, it offers reliable, sustainable energy in a compact design. Switch to smarter, cleaner energy today!

 Inbuilt
2560Wh
Li-ion Battery

Years **5** BATTERY
WARRANTY
Years **3** SYSTEM
WARRANTY

Applications



1 HP Submersible
Pump



Cooler



LED TV /
Computer



Laptop



LED lights



Fan



Life Upto
12 Years



LCD + LED
Display



Zero Maintenance
No Acid Fume



Efficiency upto 30%
compared to Non-MPPT



Quick Charging
(4 Hrs)



25 Amp (Mains)
10-50Amp (Solar)
Charging Current



Eco-Friendly
Power Generation



Smart Monitoring
Integration (optional)



Save up to Rs. 8000 per year compared to normal battery inverter

"Save up to 3000KWh per year, thanks to optimized energy harvest and reduced electricity costs."

Technical Specifications

MODEL	MaxiLion One 2400 25.6V
System Rating (KVA / KW)	2400 VA (1900W bulb load)
Nominal Input Battery Voltage	25.6V
Grid Range	Normal mode : { 90 V - 290V } $\pm$ 15V AC UPS mode : { 180V - 265V } $\pm$ 5VAC
Solar Voc range	42 - 105 V
Solar Power	upto 2700W
Grid Charging Current	20 Amps
Solar Charging current	10 - 50 Amps
MPPT tracking efficiency	>99%
Modes	
Power Switch	ON /OFF Via Switch (Front Side)
UPS/NORMAL Mode	Via Switch (Front Side)
Energy saver modes	NOHY / ES1 / ES2 / ES3 Via Switch (front side)
Solar Charging current selection	10 - 50 A Via switch
Output Parameters	
Wave form type	Pure Sine Wave
Output Voltage Regulation throughout Battery range/load	220V $\pm$ 10%
Output Phase	Single Phase
Output Frequency	50Hz $\pm$ 0.5Hz
Full load output current	6.9 $\pm$ 0.2 Aac
Peak Efficiency (with linear load)	> 84%
Distortion (THD)	$\leq$ 3% (At Linear Load)
Overload Protection	Provided at >110% with manual reset
Low Battery Protection	Provided at < 23.60 $\pm$ 0.4 V
Low battery cut recovery	automatic recovery > 26.00 $\pm$ 0.4V
Short circuit Protection	Provided at >250% with manual reset
Over Temperature Protection	Provided at >85 deg. C
Change Over Time (Approx.)	
In UPS Mode	$\leq$ 12millisecond
In Normal Mode	$\leq$ 50 millisecond
Battery Parameter	
Boost Voltage	28.20 V $\pm$ 0.4V
Float Voltage	28.00V $\pm$ 0.4V
Low Battery Warning	24.00V $\pm$ 0.4V
Low Battery Cut	23.60V $\pm$ 0.4V
Battery Type	25.6V 100Ah Lithium-ion (* as per system specifications)
Environment	
Forced cooling	Through DC Cooling FAN
Humidity	0-90% non condensing
Operating & Storage Temperature	0 - 40°C
Display Parameters	
Display Type	LED + LCD
DUAL DISPLAY LCD+LED (MaxiLion One 2400)	LCD shows - Mains Voltage, O/P voltage, Battery voltage, Battery current, protection display, Mains HI, Mains Low status, Load Percentage Solar Voltage, Solar current
	Mains LED : Constant glow when mains available
	Solar LED- Constant glow when solar available
	Backup LED- Blink when backup
	Fault LED - constant glow when any protection occur with continuous buzzer
	Switches
	Switch 1 : Power ON/OFF
	Switch 2 : UPS/NOR Mode
	Switch 3 : Energy saver mode
	Switch 4 : Solar charging current
	Switch 5 : LCD slide hold
WiFi	Data monitoring (optional)
Weight	51.4 Kg

Specification subject to change without any prior notice.