

# 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

Years  
**5** FULL PRODUCT  
WARRANTY<sup>^</sup>

**MAXILION**  
1000VA



Life Upto  
12 Years



Zero Maintenance  
No Acid Fume



18 Amp  
Charging Current



Genus  
In-house BMS



Quick Charging  
(4-5 Hrs)



Eco  
Friendly



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

## Technical Specifications

|                                                         |                                                                                                                               |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Mains (Grid) Mode Normal Mode (Wide Window)</b>      |                                                                                                                               |
| Grid Range                                              | 90 VAC-290VA ± 15VAC                                                                                                          |
| <b>Mains (Grid) Mode UPS Mode (Narrow Window)</b>       |                                                                                                                               |
| Grid Range                                              | 180VAC-265VAC ± 5VAC                                                                                                          |
| <b>Battery Charging</b>                                 |                                                                                                                               |
| Grid Charging Current to Battery                        | 18 Amp                                                                                                                        |
| <b>Modes</b>                                            |                                                                                                                               |
| Power Switch                                            | Via Switch (Front Side )                                                                                                      |
| UPS/NORMAL Mode                                         | Via Switch (Front Side )                                                                                                      |
| <b>Output Parameters</b>                                |                                                                                                                               |
| 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                                                                                                        |
| <b>Change Over Time (Approx.)</b>                       |                                                                                                                               |
| In UPS Mode                                             | <12millisecond                                                                                                                |
| In Normal Mode                                          | <50 millisecond                                                                                                               |
| <b>Battery Parameter</b>                                |                                                                                                                               |
| 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)                                                                                  |
| <b>Environment</b>                                      |                                                                                                                               |
| Forced cooling                                          | Through DC Cooling FAN                                                                                                        |
| Humidity                                                | 0-90% non condensing                                                                                                          |
| Operating & Storage Temperature                         | 0-40 deg. C                                                                                                                   |
| <b>Display Parameters</b>                               |                                                                                                                               |
| 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 available )                                                                           |
|                                                         | LED 2 - Switch (constant glow when mains available , blink when backup                                                        |
|                                                         | LED 3 - Fault (constant glow when any protection occur )                                                                      |
| <b>Switch</b>                                           |                                                                                                                               |
| Switches                                                | Switch 1 : Power ON/OFF                                                                                                       |
|                                                         | Switch 2: UPS/NOR Mode                                                                                                        |
| Dimensions                                              | 280X320X340 MM approx                                                                                                         |
| Weight                                                  | 25 Kg approx                                                                                                                  |
| <b>Battery Specification 12.8V 100Ah</b>                |                                                                                                                               |
| 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.

^For MaxiLion 1000VA, a 5-year Full Product warranty will be effective from 1st January 2026 (excluding LED, switches, and the external body of the system). For units sold before this effective date, the warranty will be applicable as earlier (3 years for Inverter & 5 years for battery).