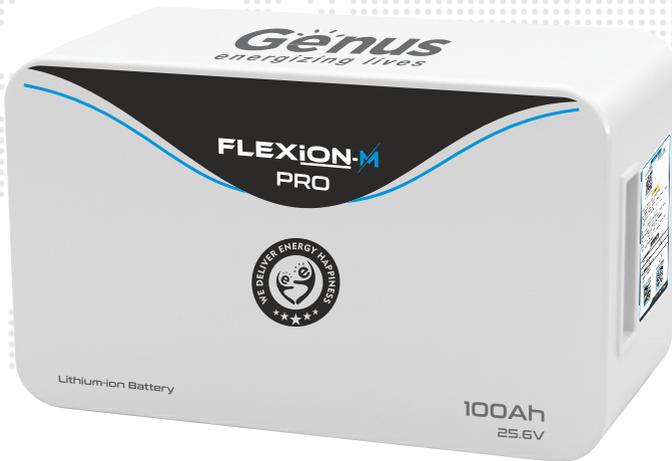


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**Genus**  
energizing lives

# **FLEXiON-M**

Lithium-ion Battery **PRO**



**Lithium-ion Battery**  
**LiFePO4**  
**25.6V 100Ah**

**USER** MANUAL



## Technical Specifications

Parameters	Specifications
Model	Flexion M Pro 25.6V 100Ah
Usable Capacity	100Ah
Nominal Voltage	25.6V
Operating Voltage	20 - 28.8V
Max Charging Current	50A
Standard Discharge Current	50A
Max Discharge Current	80A
Energy	2560Wh
Operating Temperature	0 to 40°C
Charge Method	CC/CV
Warranty period	5 Years
Size (mm)	445X172X255
Approx. Gross Weight	24.0 Kg.
Recharge (During Storage)	Every 3 Months
Store at	30-40% SoC

Specifications are subject to change without any prior notice.

### 2. Advantages

- Advance BMS for Multi Protection.
- Maintenance-free and no acid leakage.
- Real Time Battery Health Monitoring through BMS App.
- Low self-discharge rate.
- Faster recharge.
- Long life.

### 3. Unpacking & Storage

The device is thoroughly & strictly inspected before delivery. None the less, damage may still occur during shipping. For this reason, please conduct a thorough inspection after receiving the device Contact Genus in case of any damage or incompleteness, and provide photos to facilitate service.

## 4. Installation

- Before installing and using battery, please read this manual carefully, & understand the safety information and be familiar with the functions and characteristics of this battery.
- Install the battery at a place convenient for electrical connection, operation & maintenance.
- Avoid installation near Electromagnetic sources (e.g. Motors, large transformers, microwave oven) as they may interfere with the devices performance.

## 5. Electrical Wiring

- Connect the Red (Positive) and black (Negative) power cables of the inverter to the battery positive and negative terminals respectively.
- Ensure the cables are tightened properly and not loosened.
- Confirm all connections are secure before powering on the system.
- After the battery properly connected to the inverter, switch on the power button of battery to begin usage.

### Attention:

**⚠ CAUTION** Risk of Fire, Explosion or Burns

- DO NOT Short circuit.
- DO NOT Reverse connections from charger to battery.
- DO NOT Disassemble.
- DO NOT Throw into fire or incinerate.
- DO NOT Heat above 60°C.

## **6. Usage & Long-Term Storage Guidelines**

- The battery is recommended for use in ambient temperatures ranging from 0°C to 40°C.
- For optimal long-term storage and to help maintain its performance and longevity over extended periods, we recommend keeping it in a stable environment with temperatures between 25°C and 35°C.
- Store in a fireproof container and away from children.
- For a longer-lasting product, it's best to store your battery at least 70-80% charge level and recharge every three months if it's not going to be used for an extended period of time.

## **7. Maintenance**

- The Li-ion battery is maintenance free.
- Avoid the deep Discharge of Battery.
- Keep the battery clean, and dry.

## **8. Warranty exclusion:**

- Damages caused by transportation of the batteries/ intervention other than authorized Service.
- If battery used in any other application except Inverter/UPS, the warranty will be voided.
- Damages caused by reverse connection of battery polarity.
- Damages caused by short-circuiting the battery poles.
- Damage caused by contact of the battery with any liquid.
- Damage caused by connecting the batteries in series and parallel.
- Damage caused by exposing the battery to high current or voltage.
- Damage caused by connecting the battery directly to alternating current device without using an inverter device.
- Damage caused by the battery remaining below the nominal operating voltage for a long time.
- Damage caused by exposure of the battery to any physical impact.



## Genus Innovation Limited

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