



## E-Mobility Solutions

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**96V – 72Ah | 84Ah | 96Ah**

Electric 3-Wheeler Battery

Ranjans Li-On Energy battery is a step in our journey to enhance your riding experience and provide optimum performance. It is designed and manufactured after intensive research and study in collaboration with the leading scientists in India. It is simple to install, safe, reliable, and provides the lowest lifetime energy cost for your E-Two Wheeler. Global technology molded to fit India's local requirement.

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## Features & Benefits

### **Design**

Simple Plug & Play  
Installations

### **Technology**

Superior BMS &  
Remote Monitoring  
Access

### **Performance**

Greater Mileage &  
Improved Fast Charging

## Technical Specifications | 96V LFP

BATTERY PACK	72 Ah	84Ah	96Ah
Pack Method	30S12P	30S14P	30S16P
Nominal Capacity	72 Ah	84 Ah	96 Ah
Nominal Voltage	96V	96V	96V
Energy	6.91 kWh	8.06 kWh	9.21 kWh
Discharge Cut-Off	79.5 V	79.5 V	79.5 V
Discharge Current	60 A	60 A	60 A
Peak Discharge Current	120 A	120 A	120 A
Cycle Life	1500	1500	1500
Internal Resistance	≤ 35 mΩ	≤ 35 mΩ	≤ 35 mΩ
Weight	41.1 Kg	41.1 Kg	41.1 Kg
Working Temp. Range (Charge)	0°C to 55°C	0°C to 55°C	0°C to 55°C
Working Temp. Range (Discharge)	20°C to 55°C	20°C to 55°C	20°C to 55°C
Storage Temperature	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
Charging Methods	CC/CV	CC/CV	CC/CV
Operating Voltages	108 – 79.5 V	108 – 79.5 V	108 – 79.5 V
Standard Charge Current	15 A	15 A	15 A
Maximum Charge Current	40 A	40 A	40 A
IP Rating	IP-65	IP-65	IP-65
Communications	Available on demand	Available on demand	Available on demand
Over Charge Protections Voltage	108 V	108 V	108 V
Over Discharge Protection Voltage	79.5 V	79.5 V	79.5 V

Battery Layout Diagram

