



E-Mobility

60V – 72Ah | 84Ah | 96Ah

Solutions

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-Three-Wheeler. Global technology molded to fit India's local requirement.

Features & Benefits

Design

Simple Plug & Play
Installations

Technology

Superior BMS &
Remote Monitoring
Access

Performance

Greater Mileage &
Improved Fast Charging

Technical Specifications | 60V LFP

BATTERY PACK	72 Ah	84Ah	96Ah
Pack Method	19S12P	19S14P	19S16P
Nominal Capacity	72 Ah	84 Ah	96 Ah
Nominal Voltage	60.8V	60.8V	60.8V
Energy	4.38 kWh	5.11 kWh	5.84 kWh
Discharge Cut-Off	49.4 V	49.4 V	49.4 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	$\leq 35 \text{ m}\Omega$	$\leq 35 \text{ m}\Omega$	$\leq 35 \text{ m}\Omega$
Weight	27.9 Kg	31.7 Kg	35.5 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	69.35 – 49.4 V	69.35 – 49.4 V	69.35 – 49.4 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	69.35 V	69.35 V	69.35 V
Over Discharge Protection Voltage	49.4 V	49.4 V	49.4 V

Battery Layout Diagram

