



E-Mobility

72V – 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-Two 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 | 72V LFP

BATTERY PACK	72 Ah	84Ah	96Ah
Pack Method	23S12P	23S14P	23S16P
Nominal Capacity	72 Ah	84 Ah	96 Ah
Nominal Voltage	73.6V	73.6V	73.6V
Energy	5.23 kWh	6.18 kWh	7.06 kWh
Discharge Cut-Off	59.8 V	59.8 V	59.8 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	32.7 Kg	37.3 Kg	41.9 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	83.95 – 59.8 V	83.95 – 59.8 V	83.95 – 59.8 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	83.95 V	83.95 V	83.95 V
Over Discharge Protection Voltage	59.8 V	59.8 V	59.8 V

Battery Layout Diagram

