

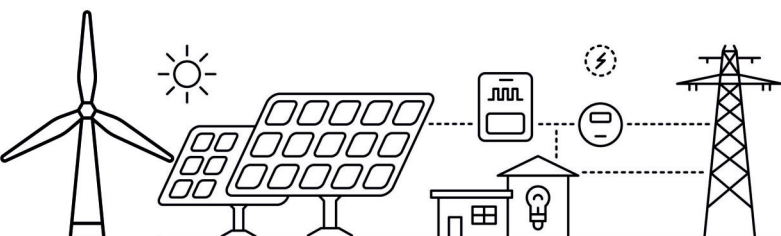


## Three Wheeler, Loader & Passenger Auto Lithium-Ion Phosphate (LiFePO4) Battery

### PROTECTION FEATURES

- Over Charge Protection
- Over Discharge Protection
- Cell Balancing Protection
- Over Temperature Protection
- Under Temperature Protection
- Short Circuit Protection
- Cell Level Fuse Protection

Type	Cylindrical
Application	Electrical Vehicles
Capacity	45 Ah - 210 Ah
Cell Voltage	3.2 Volt
Advancements	<ul style="list-style-type: none"> <li>● Enhanced Thermal Stability</li> <li>● Zero Tolerance Towards Human Safety</li> <li>● Longer Cycle Life</li> </ul>



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## Three Wheeler Lithium-Ion Phosphate (LiFePO4) Battery

Configuration	51V, 45 Ah	51V, 80 Ah	51V, 100 Ah	51V, 160 Ah	51V, 210 Ah
Nominal Voltage (V)	51.2	51.2	51.2	51.2	51.2
Pack Capacity (Ah)	45	80	100	160	210
Energy Capacity (kWh)	2.30	4.10	5.12	8.19	10.75
Life Cycle (@ 1C Charge / 1C Discharge at 25° C)	2000+ Cycles	2000+ Cycles	2000+ Cycles	2000+ Cycles	2000+ Cycles
Continuous Charge Current (A)	22.5	40	50	80	105
Continuous Discharge Current (A)	45	80	100	160	210
Working Temperature (Charging)	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C
Working Temperature (Discharging)	20°C-55°C	20°C-55°C	20°C-55°C	20°C-55°C	20°C-55°C
Pack Enclosure	Aluminium / Sheet Metal				
Connector	Anderson or Equivalent				

### ORDINARY FEATURES

- Certified to AIS-156 Phase-2, AIS-004
- High energy density cells
- IEC320 hybrid connector
- Connector life cycle: 9000+
- Spot welding
- Ingress Protection with IP67
- Swappable or Removable
- Removable with Manual Connector
- CAN communication interface
- Superior Thermal Management

### OPTION OFFERED

- Bluetooth connection
- Data storage memory
- Battery SOC indicator
- Laser welding Technology
- Telematics with GPS
- Blind Mate Connector
- Multiple manual connector

### DISCLAIMER

- Design of battery will be finalized based on battery variant, mutual technical signoff and vehicle envelope.
- Dimension and weight depend on selection of Cell.

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