



E-Bike Battery Pack



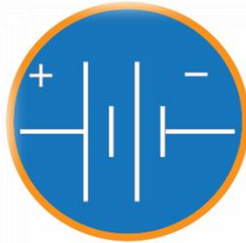
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Factory:
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Standardized batteries



100% Capacity Guaranteed



Instant Replacement



Portable Charger



Made in India

Salient Features: -

- High service Life: 2500 Cycles for LiFePO4 and 1500 Cycles for NMC.
- Deep Discharge allowed up-to 80% to 90%.
- Constant Power during Discharge (very low internal resistance).
- Very low Peukert's losses (Energy efficiency up-to 98%).
- Embedded BMS improves life span and security of battery pack.
- Communication protocol: CAN2.0, UART, Bluetooth based android app.
- No lead, no rare earth, no acid, no degassing.
- Excellent temperature robustness: 0°C 55°C Ultra safe Pack construction with NMC and LiFePO4 battery cells.
- Range of EV batteries 24V to 150V; 10AH to 200AH;



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Protection: -

- Explosion proof.
- Dust Proof.
- Water resistance.
- Leakage proof.
- Overload Protection.
- High charge and deep discharge protection.

Production, Testing, R&D: -

We have vast in-house manufacturing, testing and R&D facilities to design, develop and produce Lithium energy storage solutions and even fully customize as per client's requirements. All our products pass through stringent quality and aging checks to deliver optimum results with possible long life. The setup of installed machinery in production, testing and R&D is procured from world's best machine makers.

Lithium Battery Packs:-



Technical Specification of NMC

Technical Specification							
Parameters	48V 25AH	48V 30AH	60V 25AH	60V 30AH	72V 25AH	72V 30AH	72V 40AH
Chemistry							
Chemistry	NMC	NMC	NMC	NMC	NMC	NMC	NMC
Cell Specification	3.7V 2.5AH	3.7V 2.5AH	3.7V 2.5AH	3.7V 2.5AH	3.7V 2.5AH	3.7V 2.5AH	3.7V 2.6AH
Electrical Characteristics							
Energy	1202Wh	1440Wh	1572Wh	1887Wh	1850Wh	2220Wh	2960Wh
Pack combination	13S 10P	13S 12P	17S 10P	17S 12P	20S 10P	20S 12P	20S 16P
Nominal Voltage	48.1V	48.1V	62.9V	62.9V	74V	74V	74V
Rated Capacity	25AH	30AH	25AH	30AH	25AH	30AH	40AH
Standard Charge Voltage	54.6V	54.6V	71.4V	71.4V	84V	84V	84V
End Voltage	39V	39V	51V	51V	60V	60V	60V
Standard Charging Current*	5A	6A	5A	7A	5A	6A	8A
Max. Charging Current*	12A	15A	13A	15A	12A	15A	20A
Max. Discharge Current*	25A	30A	25A	30A	25A	30A	60A
Operating Condition and Environment							
Temperature °C	Charge : 0 to 45°C						
	Discharge: -20 to 55°C						
	Storage: 25°C At 50% SOC(6month)						
Life Cycles(at 80% DOD)	1200	1200	1200	1200	1200	1200	1200
Mechanical Characteristics							
Weight	9kg	10kg	10kg	12kg	12kg	14kg	17kg
Dimensions of Cabinet (LxWxH)	217*156*167	258*156*167	217*197*167	258*197*167	217*217*167	258*217*167	275*180*275
Type of Cabinet	Metal sheet	Metal sheet	Metal sheet	Metal sheet	Metal sheet	Metal sheet	Metal sheet
Type of Connector	Anderson/ Chogori (IP67)						
Protection and Monitoring							
BMS Protection	(Short Circuit Protection, Over voltage Protection, Under Voltage Protection, Over Discharge/ Charge Protection/ Temperature)						
Communication	As per requirement						