



E-Bike Battery Pack



Standardized batteries



100% Capacity Guaranteed



Instant Replacement



Portable Charger



Made in India

Salient Features: -



US:
405 Boulder Court
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(925) 398-8466, (925) 954-4770
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India:
16-11-741/c/3 Moosarambagh
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Factory:
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- 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.
- Nolead, 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;

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.



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LFP & NMC Battery Packs



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Technical Specification of NMC

APPLICATION	EV-2Wheeler											
Parameters	48V 24AH	48V 25AH	48V 28AH	48V 30AH	60V 24AH	60V 25AH	60V 28AH	60V 30AH	72V 22.5AH	72V 25AH	72V 30AH	72V 40AH
Chemistry												
Chemistry	NMC											
Cell Specification	3.7V 2.45AH	3.7V 2.5AH	3.7V 2.5AH	3.7V 2.5AH	3.7V 2.45AH	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	1152Wh	1202Wh	1344Wh	1440Wh	1541Wh	1572Wh	1680Wh	1887Wh	1620Wh	1850Wh	2220Wh	2960Wh
Pack combination	13S 10P		13S 11P	13S 12P	17S 10P		17S 11P	17S 12P	20S 9P	20S 10P	20S 12P	20S 16P
Nominal Voltage	48.1V				62.9V					74V		
Rated Capacity	24AH	25AH	27.5AH	30AH	24.5AH	25AH	27.5AH	30AH	22.5AH	25AH	30AH	40AH
Standard Charge Voltage	54.6V				71.4V				84V			
Max Charging Voltage	54.6V				71.4V				84V			
End Voltage	39V				51V				60V			
Standard Charging Current*	5A	5A	6A		5A		6A	7A	5A		6A	8A
Max. Charging Current*	12A		14A	15A	12A	13A	14A	15A	12A		15A	20A
Max. Discharge Current*	24A	25A	28A	30A	24A	25A	28A	30A	23A	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)	1500											
Mechanical Characteristics												
Weight	9kg		10kg				12kg				14kg	17kg
Dimensions of Cabinet (L*W*H)	221*161*180		242*161*180	263*165*180	225*204*180		245*204*180	263*204*180	226*204*180	226*226*180	266*226*180	275*180*275
Type of Cabinet	Metal sheet											
Type of Connector	Anderson											
Protection and Monitoring												
BMS Protection	(Short Circuit Protection, Over voltage Protection, Under Voltage Protection, Over Discharge/ Charge Protection/ Temperature)											
Communication	CAN/Bluetooth (Optional)											



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Technical Specification of LFP

APPLICATION	EV-2Wheeler													
Parameters	48V 20AH	48V 24AH	48V 30AH	48V 35AH	48V 50AH	60V 24AH	60V 25AH	60V 30AH	60V 36AH	60V 48AH	72V 24AH	72V 36AH	72V 40AH	72V 42AH
Chemistry														
Chemistry	LiFePO4													
Cell Specification	3.2V 5AH	3.2V 6AH		3.2V 5AH	3.2V 5AH	3.2V 6AH	3.2V 5AH	3.2V 6AH				3.2V 5AH	3.2V 6AH	
Electrical Characteristics														
Energy	960Wh	1152 Wh	1440W h	1728W h	2400W h	1440W H	1500W h	1800 WH	2160 WH	2880W H	1766W h	2592W h	2880W H	3091W h
Pack combination	15S 4P		15S 5P	15S 7P	15S 10P	19S 4P	19S 5P		19S 6P	19S 8P	23S 4P	23S 6P	23S 8P	23S 7P
Nominal Voltage	48V					60.8V					73.6V			
Rated Capacity	20AH	24AH	30AH	35AH	50AH	24AH	25AH	30AH	36AH	48AH	20AH	36AH	40AH	42AH
Charging Voltage	54.75V					69.35V					83.95V			
End Voltage	40V					47.5V				50V	61V			64V
Standard Charging Current*	4A	5A	6A	7A	10A	4.8A	5A	6A	7A	10A	5A	7.2A	8A	8A
Max. Continuous Charging Current*	10A	12A	12A	18A	25A	12A	13A	15A	18A	24A	12A	18A	20A	20A
Max. Continuous Discharge Current*	20A	24A	30A	35A	50A	24A	25A	30A	36A	48A	24A	36A	42A	40A
Operating Condition and Environment														
Temperature °C	Charge 0°C – 45°C													
	Discharge 0°C – 55°C													
	Storage 25°C at 50% SOC for 6month													
Life Cycles (at 80% DOD)	>2500Cycles at 25°C													
Mechanical Characteristics														
Weight	11kg	10kg	12Kg	17Kg	25kg	13Kg	16Kg	15kg	17kg	23kg	15Kg	23Kg	28Kg	26Kg
Dimensions of Cabinet (L*W*H)	230*230*180		300*19 5*180	300*26 5*180	370*30 0*180	300*20 0*180	370*195*180		370*2 30*18 0	370*30 0*180	300*23 0*180	300*23 0*270	300*30 0*270	300*2 65*27 0
Type of enclosure	Sheet Metal													
Type of Connector	Anderson Connector													
Protection and Monitoring														
BMS Protection	(Short Circuit Protection, Over voltage Protection, Under Voltage Protection, Over Discharge/ Charge Protection/ Temperature)													
Communication	CAN/Bluetooth Android app (Optional)													



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