VOLTHERM INNOVATION PVT. LTD.

Trusted Sustainability Partners

Smart EV - lithium-ion Battery Pack



The EV battery series is a **high-performance** lithium-ion energy solution developed for electric two-Three wheelers. Featuring advanced **LFP technology**, it delivers longer range, improved energy efficiency, enhanced safety, and extended battery life while ensuring reliable performance under demanding operating conditions.

KEY FEATURES

- LFP Chemistry
- Smart BMS Protection
- CAN Communication
- Passive Thermal Management
- IoT Monitoring
- GPS Tracking Compatible
- Fast Charging Support
- IP67 Waterproof Design
- 1500+ Cycle Life

Plot No:- B 5/2 Electronics Estate,
Sector 25 GIDC Gandhinagar,
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TECHNICAL FEATURES

SPECIFICATIONS					
Model	**48V30Ah**	**48V 45Ah**	**51.2V30Ah**	**51.2V 45Ah**	**60V 30Ah**
Nominal Voltage:	48V	48V	51.2V	51.2V	60.8V
Capacity:	30Ah	45Ah	30Ah	45Ah	30Ah
Operating Voltage range:	42 – 54V	42 – 54V	44.8 – 57.6V	44.8 – 57.6V	53.2 – 68.4V
Continuous Discharge:	20A	40A	20A	40A	20A
Peak Discharge :	40A	60A	40A	60A	60A
Std. Charge Current:	10A	15A	10A	15A	10A
Dimensions:	145x195x260mm / Custom	145x195x345mm / Custom	145x195x260mm / Custom	145x195x345mm / Custom	145x180x370mm / Custom
Weight:	~12 kg	~18 kg	~12.8 kg	~19.2 kg	~15.2 kg
Enclosure:	MS / Aluminum	MS / Aluminum	MS / Aluminum	MS / Aluminum	MS / Aluminum
Connector:	Anderson / Custom	Anderson / Custom	Anderson / Custom	Anderson / Custom	Anderson / Custom
IP Rating:	YES	YES	YES	YES	YES
Range	70 Kms	100 Kms	75 Kms	100 Kms	80 Kms
BMS	Smart	Smart	Smart	Smart	Smart
Active Balancing	YES	YES	YES	YES	YES
Thermal	YES	YES	YES	YES	YES

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TECHNICAL FEATURES

SPECIFICATIONS					
Model	60V 45Ah	64V 30Ah	64V 45Ah	64V 60Ah	72V 45Ah
Nominal Voltage:	60.8V	64V	64V	64V	73.6 V
Capacity:	45Ah	30Ah	45Ah	60Ah	45Ah
Operating Voltage range:	53.2 – 68.4V	56 – 72V	56 – 72V	56 – 72V	64.4 – 82.8V
Max Continuous Discharge:	40A	20A	40A	50A	40A
Peak Discharge :	60A	60A	60A	100A	60A
Std. Charge Current:	15A	10A	15A	10A	15A
Dimensions:	145x225x370mm / Custom	145x180x370mm / Custom	145x225x370mm / Custom	145x250x395mm / Custom	145x230x440mm / Custom
Weight:	~22.8 kg	~16 kg	~24 kg	~32 kg	~26 Kg
Enclosure:	MS / Aluminum	MS / Aluminum	MS / Aluminum	MS / Aluminum	MS / Aluminum
Connector:	Anderson / Custom	Anderson / Custom	Anderson / Custom	Anderson / Custom	Anderson / Custom
IP Rating:	YES	YES	YES	YES	YES
Range	120 Kms	100 Kms	130 Kms	200Kms	170 Kms
BMS	Smart	Smart	Smart	Smart	Smart
Active Balancing	YES	YES	YES	YES	YES
Thermal	YES	YES	YES	YES	YES

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