

E-RICKSHAW LITHIUM BATTERY

E-rickshaws need a high amount of stability and strength to keep them safely mobile. Shizen Energy's electric three-wheelers battery packs are an advanced lithium battery pack system. Our high-energy-density e-rickshaw battery packs require zero maintenance and don't require any watering or cleaning. The advanced product design will ensure constant battery performance wherever you drive it, as they have gone through rigorous vibration and shock tests. Moreover, they equip the rickshaw to last all day with maximum range delivered. They come with an intelligent BMS (Battery Management System) which ensures battery safety and maximizes the performance of the battery life cycles, performing far better and lasting much longer than lead-acid batteries.

**FEATURES:**

Customizable
Size



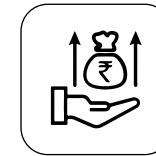
Easy
Installation



Maintenance
-Free



Maximum
Range



Value for
Money

Models:

48V 44-120AH, 60V 100-200AH,
72V 100-200AH

Passenger Rickshaw, Loader, Auto



MODEL	ER48V-44AH	ER48V-80AH	ER48V-100AH	ER48V-120AH	ER60V-100AH	ER60V-200AH	ER72V-100AH	ER72V-200AH
ELECTRICAL SPECIFICATIONS								
1	Cell chemistry	NMC						
2	Pack combination	13S1P	13S2P	13S1P		16S1P	20S1P	20S2P
3	Nominal Voltage	48.1			59.2		74V	
4	Nominal capacity	44AH	80Ah	100Ah	120Ah	44AH		200AH
5	Energy	2.2Kwh	3.8Kwh	4.8Kwh	5.7Kwh	2.2Kwh		7.4Kwh 14.4Kwh
6	Efficiency	95%						
7	Usable Capacity (%)	100%						
8	DOD %	>91%						
9	Warranty	3 years						
10	Life (Years) / Life Cycle	>2500 times (<0.5C)						
11	Self discharge rate	≤3%/month						
CHARGE & DISCHARGE SPECIFICATIONS								
12	Charging mode	CC/CV						
13	charging current (Max)	50A						
14	Charging voltage (Max)	54.6V			67.2V		84V	
15	Recommended low voltage cut off	42.2V			52V		64V	
16	Max continous discharge current	50A	100A		100A		150A	
17	Peak discharge current	100A (1Sec)	150A (3Sec)		150A (1Sec)		300A (1Sec)	
18	BMS wakeup	Charger in Charging the Battery						
TEMPERATURE SPECIFICATIONS								
21	Charging	Charge: 0 ~ 45°C						
22	Discharge	Discharge: -20 ~ 60°C						
23	Storage	-5 ~ 35°C						
24	BMS high temperature cut off	65°C						
25	BMS low temperature cut off	-10°C						
MECHANICAL SPECIFICATIONS								
26	Dimensions(L*W*H)mm	230 x 227 x 180	420 X 270 X 220	&	540 X 190 X 170	Customisable		
27	Weight (kg)	30 Kg	30 Kg	38 Kg	40 Kg	Customisable		
28	Terminal Type	Anderson Connector						
29	Type of Enclosure	CRCA 1.2mm iron sheet, electro-plated and powder coated						
30	Enclosure Protection	Silicone Sealant (Clear)						
31	Connectors	10SQMM Cable with SB50	1. 16SQMM With SB125 Male 2 Way Battery Connector (Discharge) 2. 10SQMM Cable with SB50		1. 16SQMM With SB125 Male 2 Way Battery Connector (Discharge) 2. 10SQMM Cable with SB50		1. 16SQMM With SB125 Male 2 Way Battery Connector (Discharge) 2. 10SQMM Cable with SB50	
32	Communication Ports	RS485,CANBus,Bluetooth (Optional)						
33	Certifications	ICAT						
34	Display	LCD						

Shizen Energy India Pvt Ltd

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Safety and Precautions:

- ⚡ DO NOT use the battery in any appliance or purpose for which it was not intended.
- ⚡ DO NOT dispose of the battery in a fire or place the battery in water.
- ⚡ PLEASE consult SHIZEN ENERGY INDIA for any information regarding operating, modifying, or disposing of the battery pack.



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