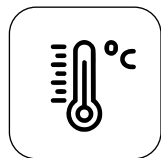
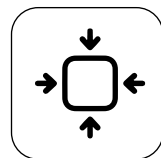
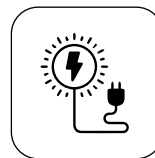


FORK LIFT BATTERY

The warehousing and logistics industries of tomorrow demand a continuous energy system to support their lifting machinery seamlessly. Shizen Energy's Forklift Lithium Battery Pack makes material handling operations easier and increases your forklift's utilization. The forklift battery can be custom designed to match your load requirements and will come with the required counter-weight also, so your forklift is perfectly balanced. Our batteries are made with the highest quality of prismatic cells, with a specialized BMS ensuring advanced thermal management and cell balancing. The use of cutting-edge innovation and our dedicated efforts to R&D are what makes our battery packs more safe, efficient and cost-effective.

FEATURES:**Wide Operating Temperature****Compact Size****High Peak Power****Low Idle Time****Fast Charging****Models:****48V, 80V 240AH - 700AH****Warehouses, Construction Sites, Recycling Facilities, Cargo Loading**

MODEL	FL-48V-200 & 240AH	FL-48V-400AH & 500AH	FL-48V-400AH & 500AH	FL-48V-400AH & 500AH	FL-48V-400AH & 500AH	FL-80V-700AH
ELECTRICAL SPECIFICATIONS						
1 Cell chemistry	NMC					LFP
2 Pack combination	13S2P / 13S2P	13S4P / 13S5P	7S2P	13S4P / 13S5P	16S3P	
3 Nominal Voltage	48.1V	48.1V	25.6V	48.1V	51.2V	
4 Nominal capacity	200 / 240	400 / 500	240 / 200	400 / 500	700	
5 Energy	9.6kwh / 11.5kwh	19.2 kwh / 24kwh	5kwh / 6.1kwh	19.2 kwh / 24kwh	35.8kwh	
6 Efficiency	95%	95%	95%	95%	95%	
7 Usable Capacity (%)	100%	100%	100%	100%	100%	
8 DOD %	>91%	>91%	>91%	>91%	>91%	
9 Warranty	3 years	3 years	3 years	3 years	3 years	
10 Life (Years) / Life Cycle						>2500 times (<0.5C)
11 Self discharge rate						≤1%/month
CHARGE & DISCHARGE SPECIFICATIONS						
12 Charging mode						CC/CV
13 Charging current (Max)						100A
14 Charging voltage (Max)	54.8V		29.4V		54.8V	
15 Recommended low voltage cut off	41.6V		22.4V		41.6V	
16 Max continuous discharge current	400A		300A		400A	450A
17 Peak discharge current	900A (3Sec)		700A (3Sec)		900A (3Sec)	1200A (3Sec)
18 BMS wakeup						Charger in Charging the Battery
TEMPERATURE SPECIFICATIONS						
19 Charging						Charge: 0 ~ 45°C
20 Discharge						Discharge: -20 ~ 60°C
21 Storage						-5 ~ 35°C
22 BMS high temperature cut off						65°C
23 BMS low temperature cut off						-10°C
MECHANICAL SPECIFICATIONS						
24 Dimensions(L*W*H)mm	customisable	customisable	mm Mounting Pitch(L*W)-753 * 170 Without counter weight	customisable	customisable	customisable
25 Weight (kg)	customisable	customisable	106/ 96kg	customisable	customisable	customisable
26 Terminal Type						Anderson Connector
27 Type of Enclosure						CRCA 1.2mm iron sheet, electro-plated and powder coated
28 Enclosure Protection						Silicone Sealant (Clear)
29 Connectors						1. 35SQMM With SB175 Male 2 Way Battery Connector (Discharge) 2. 10SQMM Cable with SB50
30 Communication Ports						RS485,CANBus,Bluetooth Optional
31 Certifications						ICAT
32 Display						LCD

Shizen Energy India Pvt Ltd

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Chandigarh Office (North Region): Plot No.209, HSIIDC Road
Alipur, Barwala Dist. Panchkula -134118, Haryana, India

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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