

## SOLAR INVERTER BATTERY

With an eye on helping maintain a healthy ecosystem, Shizen Energy has created solar-powered lithium battery pack. The solar inverter batteries are customizable with precision and come in various shapes and sizes as per requirements. These batteries can be mounted, are easy to install and are portable by nature, making them accessible to people even in rural areas. These custom-made options further make it convenient and suitable for many applications.



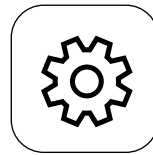
### FEATURES:



High Power



Maintenance-Free



Mountable Design



Easy Installation



Affordable

### Models:

12.8V-100&150AH, 24- 100-160AH,  
48V-100&120AH

Off-Grid Solar Panels



MODEL	IB12.8V-100AH	IB12.8V-150AH	IB24V-100AH	IB24V-120AH	IB24-160AH	IB48V-100AH (FLOOR Mount)	IB48V-100AH (Wall Mount)	IB48V-120AH (FLOOR Mount)	IB48V-120AH (Wall Mount)
<b>ELECTRICAL SPECIFICATIONS</b>									
1	Cell chemistry	LFP				NMC			
2	Pack combination	4S4P		7S1P		7S4P		13S1P	
3	Nominal Voltage	12.8		25.9				48.1	
4	Nominal capacity	100	150	100	120	160	100Ah		120Ah
5	Energy	1.2Kwh	1.9Kwh	2.5Kwh	3.1Kwh	4.1Kwh	4.8kwh		5.7kwh
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							
<b>CHARGE &amp; DISCHARGE SPECIFICATIONS</b>									
12	Charging mode	CC/CV							
15	Charging current (Max)	50A				50A 100A (Optional)			
16	Charging voltage (Max)	14.8	29.4		54.8V				
17	Recommended low voltage cut off	10.8	22.4		41.6V				
18	Max continous discharge current	100A				100A &150A (Optional)			
19	Peak discharge current	150A (3Sec) Optional				150A (3Sec) Optional			
20	BMS wakeup	Charger in Charging the Battery							
<b>TEMPERATURE SPECIFICATIONS</b>									
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							
<b>MECHANICAL SPECIFICATIONS</b>									
26	Dimensions(L*W*H)mm	360 X 280 X 180	470 X 360 X160	425 X 360 X 155		435 X 420 X 160	425 X 360 X 155	435 X 420 X 160	
27	Weight (kg)	20Kg	36kg	22Kg	26Kg	38 Kg	40 Kg	38 Kg	40 Kg
28	Terminal Type	BARRIER				Anderson Connector			
29	Type of Enclosure	CRCA 1.2mm iron sheet, electro-plated and powder coated							
30	Enclosure Protection	Silicone Sealant (Clear)							
31	Connectors	1. 25SQMM with Barrier Connector (Discharge)				1. 25SQMM With SB125 Male 2 Way Battery Connector (Discharge)			
32	Communication Ports	RS485,CANBus,Bluetooth Optional							
33	Certifications	ICAT							
34	Display	LCD (Optional)				LCD			
35	Mounting Type	Wall Mounting / Floor Mounting							

## 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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