

PotisBank-L-2.1-1500

Utility Scale Container Energy Storage System



High Voltage Liquid ESS

iPotisEdge liquid cooling Battery Energy Storage Systems(BESS) offer world-leading clean technology to improve power quality, energy efficiency and environmental performance. The BESS systems can be placed at various electrical systems to increase operational performance and reliability. It provides a cost-effective way to store excess energy generated by renewable sources like wind and solar farms. BESS can provide backup power during outages or extreme weather events, reducing the need for costly distribution upgrades or emergency generators. Not only do they enable smoother integration of renewable energy sources, but they also help balance electricity supply and demand.

Safe and Reliable

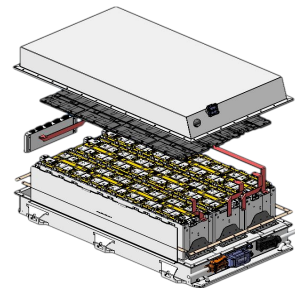


- Advanced LiFePO4 technology
- Pre-assembled and debugged in factory, shorter constructing time, less constructing cost
- Liquid cooling, reducing 20% system energy consumption and having longer battery cycle life

Premium Quality Assurance



- Integration with ISO 26262 & IATF 16949 certificates
- Quality assurance and control is involved at all stages to ensure that our products are of the highest quality and are safe & reliable



Intelligent BMS



- Integrated intelligent battery management system and optional cloud EMS
- Fast state monitoring and faults record enables pre-alarm and faults location

Comprehensive Service



- 10 years global limited warranties
- One stop service with local support capabilities



PotisBank-L, 1500V LIQUID ESS



MODULAR, SCALABLE ENERGY STORAGE SOLUTION FOR UTILITY-SCALE APPLICATIONS

No.	Item	Parameter
1	Energy density	142.53KWH/m ²
2	Cell type	LFP
3	PACK configuration	1P30S
4	Cluster configuration(RACK)	1P390S (13PACK)
5	RACK quantity	6
6	Nominal voltage	1248V
7	Voltage range	1053V~1423.5V (individual voltage:2.7V~3.65V)
8	Charge discharge ratio	0.5P*
9	Rated capacity	2096.64KWH
10	Short circuit current	45KA
11	Container type	20ft
12	Communication interface	Ethernet/RS485/CAN
13	Communication protocol	Modbus TCP / Modbus RTU / CAN 2.0
14	Auxiliary power supply	AC480V/60Hz,3P5W
15	Design standards	GB/T 36276-2018, UL1973, UL9540, UL9540A, UN38.3, IEC62619, NFPA69, NFPA70, NFPA855,NFPA68
16	Auxiliary backup power	Online(30min, adjustable)
17	Working environment temperature	-20°C to 55°C(-4°to 131°F)
18	Altitude	< 2000m (2000m~4000m,rediced power operation)
19	Thermal management	Liquid cooling+ air conditioning
20	Size(L*W*H)	6058*2438*2591mm(238.5*96*102in.) ^①
21	Weight	21ton (46200lb.) ^②
22	Ingress Protection	IP55
23	Color	RAL9010
24	Seismic	Zone 4
25	Noise	≤75 dB @1m(3.28ft)
26	Fire fighting	fm200 extinguishing system
27	Emergency stop on spot	Yes
28	Emergency stop remotely	Yes
29	Fire detection	PACK+Container
30	Thermal diffusion technology	Yes
31	Whole container delivery (internal battery)	Yes
32	Battery Ingress Protection	IP65
33	Full power running range	SOC5%~100%@25°C
34	Maximum cycle times per day	4 times

*For 1P operation: ①Equipped with external liquid cooling host, size: 7100*2438*2591mm ② Weight: 21.8ton

The specifications are subject to change without prior notice.

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