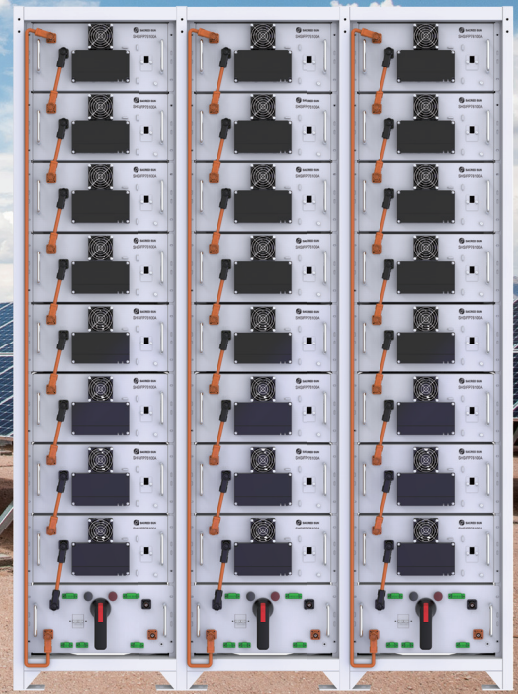


76.8V100Ah LFP High Voltage Battery Module



Brief Introduction

Our 76.8V100Ah LFP High Voltage battery module use extremely safe and long-lasting Lithium Iron Phosphate technology and provide unparalleled safety, reliability, and performance. It is specially designed for High Voltage residential, Commercial and Industrial Energy storage system.

Benefits

Configuration:
Series per module /
Parallel per stacks

Modular design easily scales

Nominal voltage up to 1000 VDC



Three-level management and monitoring BMS, Active balance function to prolong the battery life

Communication with UPS / PCS by RS485, CAN, DO

Capacity up to 2 MWh

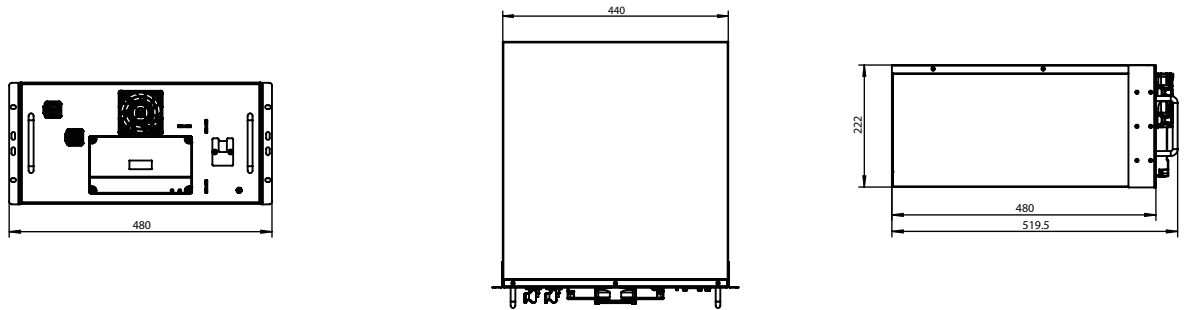
Specifications

Part Number	SHSIFP76100A		
Battery Type	LFP (LiFePO4)		
Operating Voltage Range [V]	64.8~86.4	Humidity	95% RH (non-condensing)
Nominal Voltage [V]	76.8	Communication	CAN2.0/RS485
Internal Resistance [mΩ]	15-16	Modules Connection	2~11 in series
Nominal Capacity [Ah]	100	Capacity Range per cluster[kWh]	15.4~84.5
Energy Capacity [kWh@25°C and 0.2C]	7.68	Voltage Range per cluster [V]	129.6~950.4
Usable Capacity [kWh]	6.91	Dimensions (W*D*H)	440*520*222 [mm], 17.3*20.47*8.74 [inch]
Depth of Discharge [%]	90	Protection Class	IP20
Max. Charge/Discharge Current [A]	100	Net Weight	65[kg], 143.3[lb]
Nominal Charge/Discharge Current [A]	50	Certifications	CE, CB, UN38.3, UL1642, UL1973(*), UL9540A(*)

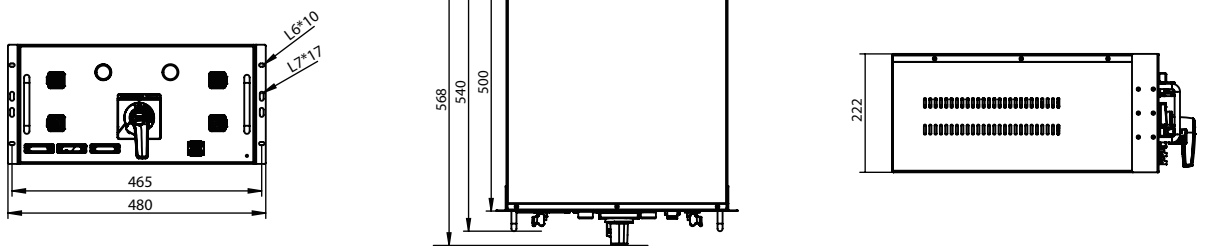
■ Products specifications described herein are subject to change without prior notification.

■ (*) Pending.

● Dimensions



● High Voltage Switch Box



- Connects up to 11 batteries in series
- Communication with UPS/PCS, compatible with various protocols
- CAN/RS485/Digital I/O interface
- 19 inch standard size, height 5U, weight 21kg



FNS customers save money and avoid equipment downtime when they take advantage of FNS's renowned 24/7 free project-specific consulting, after-sales support, expert advice, and troubleshooting.



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