

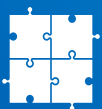
Sodium-Ion (NFPP) Battery Products and Solutions

Telecom · Residential · Commercial & Industrial · Utility



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■ Product Advantages



Modular



High Safety



Smart
BMS



Extreme
Temperature



Eco
Friendly



Low
Maintenance

Telecom



Safe



Scalable



Smart



High Cycle



MODEL	SIB48100	SIB4850	SIB48150
Battery Technology	NFPF	NFPF	NFPF
Hybrid Use	VRLA/Li-ion	Standard	Standard
Rated Voltage & Capacity	48V, 100Ah	48V, 50Ah	48V, 150Ah
Rated Capacity	4800Wh	2400Wh	7200Wh
Max Charging Current	100A	50A	100A
Max Discharging Current	100A	50A	100A
Cycle Life 25°C, 0.5C/0.5C	≥8000	≥8000	≥8000
Dimensions (W*D*H, mm)	480*550*200	442*480*133	442*650*220
Weight	46Kg	42Kg	80KG
Operating Temperature	-10~60°C	-10~60°C	-10~60°C
Cooling method	Natural Cooling	Natural Cooling	Natural Cooling
Installation	Standard 19" Rack	Standard 19" Rack	Standard 19" Rack
Communication Interface	SNMP and TCP/IP	SNMP and TCP/IP	SNMP and TCP/IP
Security	Software lock+Gyroscope	Software lock+Gyroscope	Software lock+Gyroscope
Protection	Intelligent BMS	Intelligent BMS	Intelligent BMS



SIB48100



SIB4850



SIB48150

Residential



Safe



Scalable



Smart



High Cycle



MODEL	Na4850R	Na48160R	Na48160W
Battery Technology	NFPF	NFPF	NFPF
Installation	Rack	Rack	Wall/Floor
Rated Voltage & Capacity	48V, 50Ah	48V, 160Ah	48V, 160Ah
Rated Capacity	2400Wh	7680Wh	7680Wh
Max Charging Current	50A	100A	200A
Max Discharging Current	50A	100A	200A
Cycle Life 25°C, 0.5C/0.5C	≥8000	≥8000	≥8000
Dimensions (W*D*H, mm)	442*720*230	442*720*230	500*227*800
Weight	45Kg	79Kg	113KG
Operating Temperature	-40~60°C	-40~60°C	-40~60°C
Cooling method	Natural Cooling	Natural Cooling	Natural Cooling
Communication Interface	CAN / RS485	CAN / RS485	RS232 / CAN / RS485
Protection	Intelligent BMS	Intelligent BMS	Intelligent BMS



Na4850R



Na48160R



Na48160W

Commercial and Industrial



Safe



Scalable



Smart



Long Life



MODEL	ESS76kWh	ESS115kWh	ESS200kWh
Rated Voltage	480V	720V	1248V
Rated Capacity	160Ah	160Ah	160Ah
Rated Power	30kW	100kW	160kW
Rated Energy	76kWh	115kWh	200kWh
Rated Grid Frequency	50Hz	50/60Hz	50/60Hz
Rated Grid Voltage	400V ac/3P+N+PE	400V ac/3P+N+PE	400V ac/3P+N+PE
Charge and Discharge Rate	0.5P	0.5 – 1P	0.5 - 0.8P
Battery String Configuration	1P160S	1P240S	1P416S
Dimensions (W* D* H, mm)	1050*1360*2250	1400*1350*2100	1375*1600*2450
Weight	≈ 1700 Kg	≈ 2350kg	≈ 3200kg
Operating Temperature Range	-30~60°C	-25~55°C	-30~60°C
Operating Humidity Range	15~90% (No Condensation)	0~95% (No Condensation)	0~95% (No Condensation)
Protection Level	IP55	IP55	IP54
Cooling Method	Smart air cooling	Liquid Cooling	Liquid Cooling
Cycle Life 25°C, 0.5C/0.5C	≥8000	≥8000	≥8000
Fire Extinguishing System	Aerosol	PACK level detection + Space level Perfluorohexanone	PACK-level + Cluster-level Aerosol
communication interface	Ethernet/CAN/RS485	Ethernet/RS485	Ethernet/RS485



ESS76kWh



ESS115kWh



ESS200kWh

Utility - Containerized



Safe



Scalable



Smart



Long Life




Item	Specifications
Model	ESS2300kWh
Rated Voltage	1198V
Rated Capacity	160Ah
Rated Energy	2300kWh
Charge Discharge Rate	0.5P / 0.5P
Configuration	12P416S
Rack Insertion Specification	1P52S
Dimensions (D* W* H, mm)	6058* 2550* 2896
Weight	≤43000kg
Operating Temperature Range	-20~60°C
Operating Humidity Range	0~95% (No Condensation)
Protection Level	IP54
Cooling Method	Liquid Cooling
Cycle Life 25°C,0.5C/0.5C	≥8000
Fire Protection	Automatic Fire Suppression System
communication interface	CAN、RS485、TCP/IP

*Product specifications can be customized based on client requirements.



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