

High Voltage Series

60kWh Solution

Cabinet BESS



- 

Standardized Modular Design
- 

Multiple Protection Designs
- 

Perfect Consistency
- 

Service Life More Than 15 Years
- 

High Conversion Efficiency
- 

Touchable LED Display
- 

Supports Fast Discharging
- 

Supports CAN2.0 & RS485

Communication Interface with RBMS	CAN/RS485
Communication Interface with PCS/UPS/Inverter	CAN/RS485
Support IAP upgrade	YES
Support HMI Display & Parameters Setting	YES
Dry Contact Output	YES
Dry Contact Input	YES
Qty of RBMS in Parallel	10 Sets(MAX)



High Voltage Lithium Battery

60kWh Solution

System Parameters

General Information

Nominal Voltage	307.2 Vdc
Nominal Capacity	220Ah
Nominal Energy	67584Wh
Battery Chemistry	3.2V LiFePO ₄
Cell Connectivity	96S1P
Number of Modules	12 Pcs in Series
Efficiency (Round Trip)	≥98%
Self-Discharge Rate	<3% Monthly
Max. In Parallel	10 Pcs
Max. In Series	Not Allowed
Cycle Life	8000 Cycles
<i>0.2C, 25 °C @ 80% DoD</i>	
Origin	Shenzhen, China
BMS Build-in	Yes
Design Life	20 Years

Environmental Specifications

Discharge Temperature	-20°C ~ 55°C
Charge Temperature	0°C ~ 55°C
Storage Temperature	-10°C ~ 30°C
Ingress Rating	IP21

Mechanical Specifications

Dimensions (L*W*H)	570*440*1800 mm
Weight	≈660 Kg
Mounting Options	Rack Cabinet
Indicator State	ALM/RUN/SoC

Others

Screen	Optional
Fan	Optional
Terminals	Fast Plug-In
Case Material	SPCC Steel

Operating Parameters



RBMS

Operating Voltage Range	259.2V To 350.4V
Discharge Cut-Off Voltage	240V
Max. Discharge Current	100A (Continuous)
Peak Discharge Current	150A (3s)
Standard Charge	20A (0.2C)



Battery Module

Nominal Voltage	25.6Vdc
Nominal Capacity	220Ah
Nominal Energy	5632Wh
Battery Chemistry	3.2V LiFePO ₄
Cell Connectivity	8S1P
Weight	44 kg

SWA ENERGY