LITHIUM BATTERY

Product Catalog

For Solar Energy Storage System

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COMPANY PROFILE

Vodloon New Energy Co., Ltd. is a dynamic enterprise at the forefront of designing, developing, manufacturing, and selling industrial, commercial, and residential energy storage systems. By integrating key technologies across the industrial chain—from integrated battery packs (PACKs) and precision-engineered battery management systems (BMS) to smart power conversion systems (PCS) and adaptive energy management system (EMS) solutions—we achieve seamless innovation collaboration between upstream and downstream partners, delivering end-to-end system control capabilities to global clients.

Guided by a customer-centric philosophy, Vodloon New Energy focuses its expertise on four strategic pillars: residential energy storage systems, smart grid networks, industrial and commercial energy clusters, and modular containerized storage solutions. Our solutions go beyond hardware by integrating AI-powered energy management platforms that enable optimized operations, predictive maintenance, and full lifecycle sustainability for next-generation power ecosystems.

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01

LITHIUM BATTERY

Energy Storage Lithium Battery

Provide users with a one-stop photovoltaic energy storage solution

SPW-A Power Wall Lithium Energy Storage Battery

48V/51.2V 100Ah/200Ah/300Ah

BMS protection

Wall hanging design

Home energy storage

Intelligent communication



Product Introduction

The SPW-A Power Wall lithium energy storage battery, uses high cycle lithium iron phosphate cells, which are more convenient and aesthetically pleasing to install. The high-performance BMS protection and management battery system has a wider range of use and longer lifespan than traditional batteries. Using SUG's exclusive color screen design, you can check the battery's operation status quickly and conveniently.

Product features

1. Grade A LiFePO4 cell
2. Parallel support for 15PCS
3. Compatible with multiple inverter brands
4. 6000 cycles @ DOD80%
5. Bluetooth/WIFI optional
6. BMS 100A/150A/200A optional
7. LCD color display screen

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Model	SPW-B-48100	SPW-B-48200	SPW-B-48300	SPW-B-51.2100	SPW-B-51.2200	SPW-B-51.2300
Standard voltage	48V	48V	48V	51.2V	51.2V	51.2V
Standard capacity	100Ah	200Ah	300Ah	100Ah	200Ah	300Ah
Rated capacity	4.8kWh	9.6kWh	14.4kWh	5.12kWh	10.24kWh	15.36kWh
Working voltage	40.5-54V			43.2-57.6V		
Standard charging current	50A	100A	150A	50A	100A	150A
Standard discharging current	100A	100A	200A	100A	100A	200A
Suggested DOD	80%					
Cycle life	>6000 cycles					
IP Rating	IP21(IP65 optional)					
Discharge operating temperature	-20℃-60℃					
Charging operating temperature	0℃-45℃					
Maximum parallel	15PCS					
Communication	RS232/CAN/RS485 (WIFI/BT optional)					
Display	LCD touch screen					
Warranty	5 Years					
Certificate	UN38.3/MSDS/CE/ROHS/FCC					
NW. (kg)	47.2	87	115	48	91	120
GW.(kg)	51.4	105	133	55	109	138
Product size (mm)	545*460*200	790*530*200	790*530*240	545*460*200	790*530*200	790*530*240
Package size （mm）	625*540*300	870*610*410	850*590*300	625*540*300	870*610*410	850*590*300

SPW-B Power Wall Lithium Energy Storage Battery

48V/51.2V 100Ah/200Ah/300Ah



BMS protection

Wall hanging design

Home energy storage

Intelligent communication

Product Introduction

The SPW-B Power wall lithium energy storage battery, uses high cycle lithium iron phosphate cells, which are more convenient and aesthetically pleasing to install. The high-performance BMS protection and management battery system has a wider range of use and longer lifespan than traditional batteries. Using a touch screen design, it is quick and convenient to view battery operation data and modify communication protocols with different inverters.

Product features

1. Grade A LiFePO4 cell
2. Parallel support for 15PCS
3. Compatible with multiple inverter brands
4. 6000 cycles @ DOD80%
5. Bluetooth/WIFI optional
6. BMS 100A/150A/200A optional
7. LCD touch screen

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Model	SPW-B-48100	SPW-B-48200	SPW-B-48300	SPW-B-51.2100	SPW-B-51.2200	SPW-B-51.2300
Standard voltage	48V	48V	48V	51.2V	51.2V	51.2V
Standard capacity	100Ah	200Ah	300Ah	100Ah	200Ah	300Ah
Rated capacity	4.8kWh	9.6kWh	14.4kWh	5.12kWh	10.24kWh	15.36kWh
Working voltage	40.5-54V			43.2-57.6V		
Standard charging current	50A	100A	150A	50A	100A	150A
Standard discharging current	100A	100A	200A	100A	100A	200A
Suggested DOD	80%					
Cycle life	>6000 cycles					
IP Rating	IP21(IP65 optional)					
Discharge operating temperature	-20℃-60℃					
Charging operating temperature	0℃-45℃					
Maximum parallel	15PCS					
Communication	RS232/CAN/RS485 (WIFI/BT optional)					
Display	LCD touch screen					
Warranty	5 Years					
Certificate	UN38.3/MSDS/CE/ROHS/FCC					
NW. (kg)	47.2	87	115	48	91	120
GW.(kg)	51.4	105	133	55	109	138
Product size (mm)	545*460*200	790*530*200	790*530*240	545*460*200	790*530*200	790*530*240
Package size（mm）	625*540*300	870*610*410	850*590*300	625*540*300	870*610*410	850*590*300

SPV Vertical LFP Energy Storage Battery

51.2V-300Ah/314Ah/342Ah/600Ah/628Ah

BMS protection

Pulley design

Home energy storage

Intelligent communication



Product Introduction

The SPV vertical energy storage lithium battery, a long-lived lithium iron phosphate battery, vertical energy storage battery can move freely and conveniently, high-performance BMS protection and management battery system, with a wider range of use and longer lifespan than traditional batteries.

Product features

1. Grade A LiFePO4 cell
2. Parallel support for 15PCS
3. Compatible with multiple inverter brands
4. 6000 cycles @ DOD80%
5. Bluetooth/WIFI optional
6. LCD color screen/LCD touch screen (optional)
7. 150A/200A optional

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Model	SPV-51.2300	SPV-51.2314	SPV-51.2342	SPV-51.2600	SPV-51.2628
Standard voltage	51.2V	51.2V	51.2V	51.2V	51.2V
Standard capacity	300Ah	314Ah	342Ah	600Ah	628Ah
Rated capacity	15.36kWh	16.07kWh	17.5kWh	30.7kWh	32.15kWh
Working voltage	43.2-57.6V				
Standard charging current	200A				
Standard discharging current	200A	200A	200A	200A	200A
Suggested DOD	80%				
Cycle life	>6000 cycles				
IP Rating	IP21(IP65 optional)				
Discharge operating temperature	-20℃-50℃				
Charging operating temperature	0℃-45℃				
Maximum parallel	15PCS				
Communication	RS232/CAN/RS485 (WIFI/BT optional)				
Display	LCD color screen/LCD touch screen (optional)				
Warranty	5 Years				
Certificate	UN38.3/MSDS/CE/ROHS/FCC				
NW. (kg)	123	126.2	126.2	234.2	252.4
GW.(kg)	142.9	145.9	145.9	258	291.8
Product size (mm)	550*270*860	550*270*860	550*270*860	530*530*790	530*530*790
Package size(mm)	630*940*470	920*620*450	920*620*450	975*630*730	975*630*730

SBM-I Low Voltage Stacked Lithium Energy Storage Battery

Inverter output: 5.5kW/8kW/10kW

Number of battery modules: 51.2V 100Ah

BMS protection | Stacked design | Home energy storage | Intelligent communication



(Ultra thin version)

(Regular style)

Product Introduction

The SBM-I Stacked lithium-ion energy storage system uses high cycle lithium iron phosphate cells, and a high-performance BMS protection and management battery system. A single group can be stacked up to 7 layers (including the inverter layer), and multiple groups can be combined into up to 15 battery modules in parallel. The capacity can be freely combined, and when paired with a 5.5KW-10KW off grid photovoltaic inverter system, it can meet various electricity needs of households and industries.

Product features

1. Grade A LiFePO4 cell
2. Bluetooth and WIFI/touch LCD screen optional
3. 100A BMS for charging/discharging
4. 6000 cycles @ DOD80%
5. LCD display screen
6. Parallel support for 15PCS

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Battery parameters

Model	SBM-I-51.2100	SBM-I-51.2100*2	SBM-I-51.2100*3	SBM-I-51.2100*4	SBM-I-51.2100*5	SBM-I-51.2100*6
Standard voltage	51.2V					
Single module capacity	100Ah	100Ah	100Ah	100Ah	100Ah	100Ah
Rated capacity	5.12kWh	5.12kWh*2	5.12kWh*3	5.12kWh*4	5.12kWh*5	5.12kWh*6
Working voltage	43.2-57.6V					
Standard charging current	50A	50A*2	50A*3	50A*4	50A*5	50A*6
Standard discharging current	100A	100A*2	100A*4	100A*4	100A*5	100A*6
Suggested DOD	80%					
Cycle life	>6000 cycles					
IP Rating	IP21					
Discharge operating temperature	-20℃-50℃					
Charging operating temperature	0℃-45℃					
Max parallel	15PCS					
Communication	RS232/CAN/RS485 (WIFI/BT optional)					
Display	LCD display screen					
Warranty	5 Years					
Certificate	UN38.3/MSDS/CE/ROHS/FCC					
NW. (kg)	45.8+14.2(base)	45.8*2+14.2(base)	45.8*3+14.2(base)	45.8*4+14.2(base)	45.8*5+14.2(base)	45.8*6+14.2(base)
GW.(kg)	53.2+18.7(base)	53.2*2+18.7(base)	53.2*3+18.7(base)	53.2*4+18.7(base)	53.2*5+18.7(base)	53.2*6+18.7(base)
Product size (mm)	550*500*(178+105) 550*210*530 (Ultra thin version)	550*500*(178*2+105) 550*210*1000 (Ultra thin version)	550*500*(178*3+105) 550*210*1470 (Ultra thin version)	550*500*(178*4+105)	550*500*(178*5+105)	550*500*(178*6+105)
Package size(mm)	650*600*290 630*580*252(base) 545*510*300 (Ultra thin version)	650*600*290*2 630*580*252(base) 545*510*300*2 (Ultra thin version)	650*600*290*3 630*580*252(base) 545*510*300*3 (Ultra thin version)	650*600*290*4 630*580*252(base)	650*600*290*5 630*580*252(base)	650*600*290*6 630*580*252(base)

Inverter parameters

Rated power	5.5kW	10kW
AC input		
Voltage	230VAC	
Optional voltage range	170-280VAC (personal computer): 90-280VAC (household appliances)	
Frequency range	50Hz/60Hz (adaptive)	
AC output		
Rated voltage	230VAC±5%	
Peak power	11000VA	20000VA
Efficiency	max 93.5%	max 98%
Transfer time	10ms (personal computer) 20ms (household appliances)	
Waveform	Pure sine wave	
Battery		
Battery voltage	48VDC	
Floating charging voltage	54VDC (Settable)	
Overcharge protection	57.6VDC (Settable)	
Solar charging& AC charging		
PV maximum open circuit voltage	500VDC	
PV maximum power	5500W	11000W
MPPT range @ working voltage	120-500VDC	90-500VDC
Maximum solar charging current	100A	150A
Maximum AC charging current	60A	150A
Maximum charging current	100A	150A
Basic parameters		
Working temperature	-10°C - 50°C	
Working humidity	20% -95% relative temperature (non condensing)	
Storage temperature	-15°C - 60°C	
NW. (kg)	22.6	27
GW.(kg)	36	40
Product size (mm)	550*500*178(Regular style) 550*210*470(Ultra thin style)	550*500*245(Regular style) 550*210*470(Ultra thin style)
Package size(mm)	650*600*290	650*600*345



SBS- Rack/Cabinet Mounted Lithium Energy Storage Battery

48V/51.2V 100AH/200Ah/300Ah

BMS protection | Free combination | Home energy storage | Intelligent communication



Product Introduction

The SBS- Rack/Cabinet mounted lithium energy storage battery, uses high cycle lithium iron phosphate cells, high-performance BMS protection and management battery system, and can be combined into up to 15 battery modules in parallel. The capacity can be freely combined to meet various needs of households and industries.into up to 15 battery modules in parallel.

Product features

1. Grade A LiFePO4 cell
2. Parallel support for 15PCS
3. Compatible with multiple inverter brands
4. 6000 cycles @ DOD80%
5. Bluetooth/WIFI optional
6. LCD display screen (touch screen optional)
7. BMS 100A/150A/200A optional

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Model	SBS-48100	SBS-48200	SBS-48300	SBS-51.2100	SBS-51.2200	SBS-51.2300
Standard voltage	48V	48V	48V	51.2V	51.2V	51.2V
Standard capacity	100Ah	200Ah	300Ah	100Ah	200Ah	300Ah
Rated capacity	4.8kWh	9.6kWh	14.4kWh	5.12kWh	10.24kWh	15.36kWh
Working voltage	40.5-54V			43.2-57.6V		
Standard charging current	50A	100A	150A	50A	100A	150A
Standard discharging current	100A	100A	200A	100A	100A	200A
Suggested DOD	80%					
Cycle life	>6000 cycles					
IP Rating	IP20					
Discharge operating temperature	-20℃-50℃					
Charging operating temperature	0℃-45℃					
Maximum parallel	15PCS					
Communication	RS232/CAN/RS485 (WIFI/BT optional)					
Display	LCD display screen (touch screen optional)					
Warranty	5 Years					
Certificate	UN38.3/MSDS/CE/ROHS/FCC					
NW. (kg)	40	75	105	44	84	110
GW.(kg)	50	90	121	52	99	129
Product size (mm)	430*482*178	790*482*178	790*480*200	430*482*178	790*482*178	790*480*200
Package size(mm)	510*530*300	870*610*410	850*540*440	510*530*300	870*610*410	850*540*440

SBM-H High Voltage Stacked Lithium Energy Storage Battery

Number of battery modules:102.4V 50Ah

BMS protection | Stacked design | Home energy storage | Intelligent communication



(Ultra thin version)

(Regular style)

Product Introduction

The SBM-H High voltages stacked lithium energy storage battery, uses high cycle lithium iron phosphate cells, a high-performance BMS protection and management battery system, and can stack up to 7 modules per group (including the BMS main control layer). Multiple groups can be freely combined to achieve 2-8 battery modules in series, meeting various needs of households and industries.

Product features

1. Grade A LiFePO4 cell
2. Supports up to 8 modules in series
3. High voltage BMS control system
4. 6000 cycles @ DOD80%
5. Convenient to move and freely combine

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Model	SBM-H-10.24kWh	SBM-H-15.36kWh	SBM-H-20.48kWh	SBM-H-25.6kWh	SBM-H-30.72kWh
Standard voltage	102.4V				
Number of modules	1+2/PCS	1+3/PCS	1+4/PCS	1+5/PCS	1+6/PCS
Single module capacity	50Ah	50Ah	50Ah	50Ah	50Ah
Rated capacity	5.12kWh*2	5.12kWh*3	5.12kWh*4	5.12kWh*5	5.12kWh*6
Working voltage	172.8-230.4V	259.2-348.8V	345.6-464V	432-579.2V	518.4-694.4V
Standard charging current	25A/module				
Standard discharging current	50A/module				
Suggested DOD	80%				
Cycle life	>6000 cycles				
IP Rating	IP21				
Discharge operating temperature	-20℃-60℃				
Charging operating temperature	0℃-45℃				
Maximum series connection	8PCS				
Communication	CAN/RS485(WiFi/Bluetooth optional)				
Warranty	5 Years				
Certificate	UN38.3/MSDS/CE/ROHS/FCC				
NW. (kg)	54*2+14.2(base) 106 (Ultra thin version)	54*3+14.2(base)	54*4+14.2(base)	54*5+14.2(base)	54*6+14.2(base)
GW.(kg)	64*2+18.7(base) 124 (Ultra thin version)	64*3+18.7(base)	64*4+18.7(base)	64*5+18.7(base)	64*6+18.7(base)
Product size (mm)	550*500*(178*3+105) 550*210*1470 (Ultra thin version)	50*500*(178*4+105)	50*500*(178*5+105)	50*500*(178*6+105)	50*500*(178*7+105)
Package size(mm)	650*600*290*3 630*580*252(base) 545*510*300*3 (Ultra thin version)	650*600*290*4 630*580*252(base)	650*600*290*5 630*580*252(base)	650*600*290*6 630*580*252(base)	650*600*290*7 630*580*252(base)

SBS-H High Voltage Rack Lithium Energy Storage Battery

Number of battery modules:102.4V 100Ah

BMS protection | Free combination | Home energy storage | Intelligent communication



Product Introduction

The SBS-H High voltage rack lithium energy storage battery, uses high cycle lithium iron phosphate cells, a high-performance BMS protection and management battery system, and can be connected in series with multiple groups to achieve 2-8 battery modules. It has a high-strength sheet metal box protection and can be equipped with air conditioning cooling to increase safety performance and meet various needs of households and industries.

Product features

1. Grade A LiFePO4 cell
2. Supports up to 8 modules in series
3. 6000 cycles @ DOD80%
4. High voltage BMS control system
5. Convenient to move and freely combine

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Model	SBS-H-20.48kWh	SBS-H-30.72kWh	SBS-H-40.96kWh	SBS-H-51.2kWh	SBS-H-61.44kWh
Standard voltage	102.4V				
Number of modules	1+2/PCS	1+3/PCS	1+4/PCS	1+5/PCS	1+6/PCS
Standard capacity	100Ah	100Ah	100Ah	100Ah	100Ah
Rated capacity	10.24kWh*2	10.24kWh*3	10.24kWh*4	10.24kWh*5	10.24kWh*6
Working voltage	172.8-230.4V	259.2-348.8V	345.6-464V	432-579.2V	604.8-809.6V
Standard charging current	50A/module				
Standard discharging current	100A/module				
Suggested DOD	80%				
Cycle life	>6000 cycles				
IP Rating	IP20				
Discharge operating temperature	-20℃-50℃				
Charging operating temperature	0℃-45℃				
Maximum series connection	8PCS				
Communication	CAN/RS485(WiFi/Bluetooth optional)				
Warranty	5 Years				
Certificate	UN38.3/MSDS/CE/ROHS/FCC				
NW. (kg)	90*2+17(BMS)	90*3+17(BMS)	90*4+17(BMS)	90*5+17(BMS)	90*6+17(BMS)
GW.(kg)	105*2+25(BMS)	105*3+25(BMS)	105*4+25(BMS)	105*5+25(BMS)	105*6+25(BMS)
Product size (mm)	790*480*178*3	790*480*178*4	790*480*178*5	790*480*178*6	790*480*178*7
Package size(mm)	870*610*410*3	870*610*410*4	870*610*410*5	870*610*410*6	870*610*410*7

SBP Industrial & Commercial High Voltage Storage System

30kW+60kWh/50kW+100kWh/
100kW+215kWh





BMS protection

High power output

Industrial and commercial energy storage

Intelligent communication

Product function

1. This energy storage cabinet is 60-215kWh class system, using fan/air-conditioner/liquid cooled lithium iron phosphate battery pack.
2. Two-layer BMS battery management system, a comprehensive digital LCD display, you can easily view and manage on the spot.
3. Industrial and commercial enterprises, data centers, industrial parks, commercial buildings, large industries, mobile device energy storage, platform expansion, power quality management, etc.
4. This storage cabinet is equipped with a 30/50/100kW hybrid inverter, a multifunctional inverter that combines Inverter, solar charger, grid charger and lithium battery support.
5. The energy storage cabinet is designed in the form of outdoor cabinet, with IP54 protection grade and highly integrated design.
6. The cabinet is integrated with auxiliary components such as air-conditioner, liquid cooling system, lighting, power distribution, fire fighting, and environmental event disposal as optional.

Application scenario

※ Industrial and commercial enterprises, data centers, industrial parks
※ Commercial buildings, large industries, mobile device energy storage
※ Platform expansion, power quality management, etc

Product Parameters

Model	SBP-30000	SBP-50000	SBP-100000
AC Output Specification			
Rated AC Input/Output Active Power(W)	30000W	50000W	100000W
Peak Power(off grid)	1.5 time of rated power, 10 S		
AC Output Rated Current(A)	45.6A	75.8A	151.6A
Max. AC Current(A)	60A	83.3A	166.6A
Output Frequency and Voltage	50/60Hz:3 L/N/PE 220/380,230/400Vac		
Grid Type	Three Phase		
Total Harmonic Distortion(THD)	<3% (of no minal power)		
PV Input Specification			
Max. PV Input Power(W)	39000W	65000W	100000W
Max. PV Input Voltage (V)	1000V		650V
MPPT Range(V)	150-850V		260-650V
Start-up Voltage(V)	260V		
Full Load MPPT Voltage Range(V)	360-850V	450-850V	500-650V
Rated PV Input Voltage (V)	600V		
PV Input Current(A)	36+36+36	36+36+36+36	50A+50A+50A+50A
Max.PV Isc(A)	55+55+55	55+55+55+55	60A+60A+60A+60A
No. of MPP Trackers	3	4	4
No.of Strings per MPP Tracker	2		1
Battery Specification			
Spec Of Each Module	LFP 102.4V 100AH 10.24kWh	LFP 51.2V 200AH 10.24kWh	LFP 51.2V 280Ah 14.3kWh
Module Number	6	10	15
Battery System Capacity	61.44kWh	102.4kWh	215kWh
Battery Voltage Range	537.6V-691.2V	432V-576V	600V-876V
Basic Parameter			
Product size (mm)	1170*1031*1635mm	1320*1131*1873mm	1635*1200*2266mm
Package size(mm)	1280*1140*1800mm	1430*1240*2040mm	1700*1250*2356mm
NW. (kg)	900kg	1280kg	2620kg
GW.(kg)	1130kg	1530kg	2635kg
Cooling Mode	Fan cooling, Air-conditioner cooling and Liquid cooling optional		
Class Of Protection	IP54		

SBT Plastic LFP Energy Storage Battery

12.8V/25.6V
100Ah/150Ah/200Ah/300Ah/400Ah



BMS protection

Small volume/ light weight

Home energy storage

Intelligent communication/ Optional

Product Introduction

SBT Plastic LFP Energy Storage Battery use long working life LiFeP04 battery, and high performance BMs to protect andmanage the battery system, it has wider usage and longer life than traditional battery.

Product features

1. LiFePo4 cell class A
2. 50A/100A/150A/200A BMS for charge/discharge
3. 6000 cycle times@DoD80%
4. IP67 design
5. BT is optional
6. With series/parallel function
7. LCD display is optional

Application Area

※ Energy storage system, control system, alarm system, power system, database
※ Emergency lighting system, emergency power supply, UPS
※ Telecommunications, communication, and fire protection

Product Parameters

Model	SBT-12.8100	SBT-12.8150	SBT-12.8200	SBT-12.8300	SBT-12.8400	SBT-25.6100	SBT-25.6200
Standard voltage	12.8V	12.8V	12.8V	12.8V	12.8V	25.6V	25.6V
Standard capacity	100Ah	150Ah	200Ah	300Ah	400Ah	100Ah	200Ah
Standard energy	1.28kWh	1.92kWh	2.56kWh	3.84kWh	5.12kWh	2.56kWh	5.12kWh
Working voltage	10-14.6V	10-14.6V	10-14.6V	10-14.6V	10-14.6V	20-29.2V	20-29.2V
Standard charging current	50A	50A	50A	100A	100A	50A	50A
Standard discharging current	100A	100A	100A	200A	200A	100A	100A
Suggested DOD	80%						
Cycle life	>6000 cycles						
IP Rating	Ip67						
Operating temperature for discharge	-20℃-60℃						
Operating temperature for charge	0℃-45℃						
Communication	BT optional						
Display	LCD display optional						
Warranty	5 years						
Certificate	UN38.3/MSDS/CE/ROHS/FCC						
NW. (kg)	10.3	15	20.1	30	38	20.6	38
GW.(kg)	15.3	20	25.1	35	43	25.6	43
Product size (mm)	330*172*216	330*172*216	345*190*245	520*267*220	520*267*220	345*190*245	520*267*220
Package size(mm)	372*217*269	372*217*269	397*232*293	567*309*272	567*309*272	397*232*293	567*309*272

01

LITHIUM BATTERY

Low Voltage Rack Module ESS

Provide users with a one-stop photovoltaic energy storage solution

OMS-14K280

Rack Module Low voltage ess



MODEL	OMS-14K
Product	51.2V280AH
Nominal Voltage	DC51.2V
Nominal Capacity	280AH
Dimension moudle(mm)	483*790*244
Dimension RACK(mm)	600*550*133
Weight(kg)	135KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	14.336
Discharge Cut-off Voltage (V)	40V
Charge Cut-off Voltage (V)	56.8V
Recommend Charge/Discharge Current (A)	100
Max Charge/Discharge Current(A)	140
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS

OMS-28K280

Rack Module Low voltage ess



MODEL	OMS-28K
Product	51.2V280AH*2
Nominal Voltage	DC 51.2V
Nominal Capacity	280AH*2
Dimension moudle(mm)	483*790*244*2
Dimension RACK(mm)	600*550*304
Weight(kg)	270KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	28.672
Discharge Cut-off Voltage (V)	40
Charge Cut-off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	200
Max Charge/Discharge Current(A)	280
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS

OMS-43K280

Rack Module Low voltage ess





MODEL	OMS-43K
Product	51.2V280AH*3
Nominal Voltage	DC 51.2V
Nominal Capacity	280AH*3
Dimension moudle(mm)	483*790*244*3
Dimension RACK(mm)	600*550*456
Weight(kg)	405KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	43.008
Discharge Cut-off Voltage (V)	40
Charge Cut-off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	300
Max Charge/Discharge Current(A)	420
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS

OMS-57K280

Rack Module Low voltage ess





MODEL	OMS-57K
Product	51.2V280AH*4
Nominal Voltage	DC51.2V
Nominal Capacity	280AH*4
Dimension moudle(mm)	483*790*244*4
Dimension RACK(mm)	600*550*760
Weight(kg)	540KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	57.344
Discharge Cut-off Voltage (V)	40
Charge Cut-off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	450
Max Charge/Discharge Current(A)	500
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS

OMS-71K280

Rack Module Low voltage ess



MODEL	OMS-71K
Product	51.2V280AH*5
Nominal Voltage	DC51.2V
Nominal Capacity	280AH*5
Dimension moudle(mm)	483*790*244*5
Dimension RACK(mm)	600*550*912
Weight(kg)	675KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	71.68
Discharge Cut-off Voltage (V)	40
Charge Cut-off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	450
Max Charge/Discharge Current(A)	500
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS

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OMS-86K280

Rack Module Low voltage ess



MODEL	OMS-86K
Product	51.2V280AH*6
Nominal Voltage	DC 51.2V
Nominal Capacity	280AH*6
Dimension moudle(mm)	483*790*244*6
Dimension RACK(mm)	600*550*1004
整机重量 Weight(kg)	810KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	86.016
Discharge Cut-off Voltage (V)	40
Charge Cut-off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	450
Max Charge/Discharge Current(A)	500
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS

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OMS-100K280

Rack Module Low voltage ess



MODEL	OMS-100K
Product	51.2V280AH*7
Nominal Voltage	DC 51.2V
Nominal Capacity	280AH*7
Dimension moudle(mm)	483*790*244*7
Dimension RACK(mm)	600*550*1216
Weight(kg)	945KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	100.352
Discharge Cut-off Voltage (V)	40
Charge Cut-off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	450
Max Charge/Discharge Current(A)	500
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS

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OMS-114K280

Rack Module Low voltage ess



MODEL	OMS-114K
Product	51.2V280AH*8
Nominal Voltage	DC 51.2V
Nominal Capacity	280AH*8
Dimension moudle(mm)	483*790*244*8
Dimension RACK(mm)	600*550*1368
Weight(kg)	1080KG
Specifications	**PARAMETER**
Nominal Voltage (V)	51.2
Nominal Capacity (KWh)	114.688
Discharge Cut-off Voltage (V)	40
Charge Cut-off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	450
Max Charge/Discharge Current(A)	500
Communicaiton	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Parallel Function	Support 10 units in Parallel
Certification	UN38.3/MSDS/ROHS



01

LITHIUM BATTERY

High Voltage Rack Module ESS

Provide users with a one-stop photovoltaic energy storage solution

OMS-51314



MODEL	OMS-314
Product	51.2V314AH
Nominal Voltage	51.2V
Nominal Capacity	314AH
Dimension moudle(mm)	483*245*792mm
Dimension RACK(mm)	483*245*792mm
Weight(kg)	114
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	16.1
Cut-Off Voltage (V)	44.8
Charge Cut-Off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-48K314

ENERGY STORAGE BESS

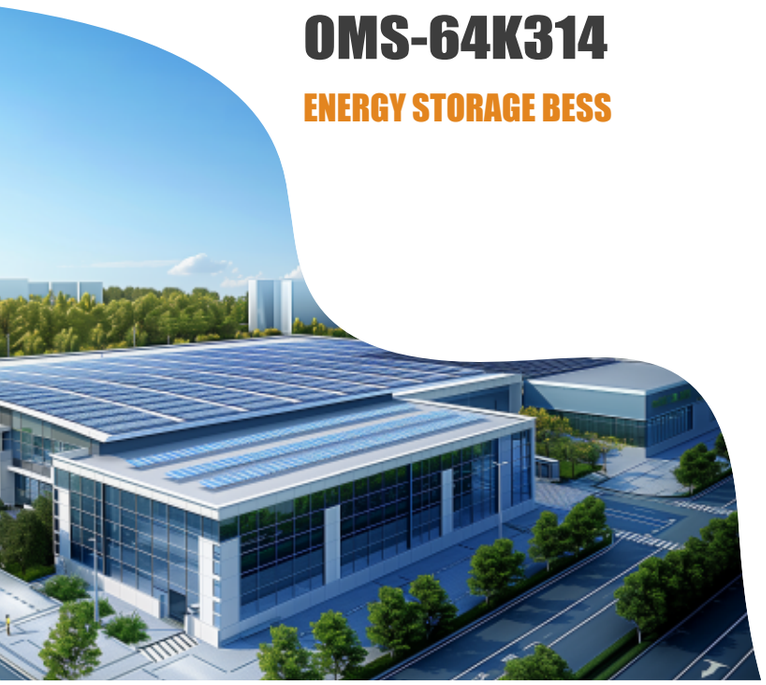




MODEL	OMS-48K314
Product	153.6V 314AH
Nominal Voltage	153.6V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*3
Dimension RACK(mm)	550*780*1190
Weight(kg)	408
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	48.2
Cut-Off Voltage (V)	132
Charge Cut-Off Voltage (V)	170.4
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-64K314

ENERGY STORAGE BESS





MODEL	OMS-64K314
Product	204.8V 314AH
Nominal Voltage	204.8V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*4
Dimension RACK(mm)	550*780*1440
Weight(kg)	534
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	64.3
Cut-Off Voltage (V)	176
Charge Cut-Off Voltage (V)	227.2
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

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OMS-80K314

ENERGY STORAGE BESS

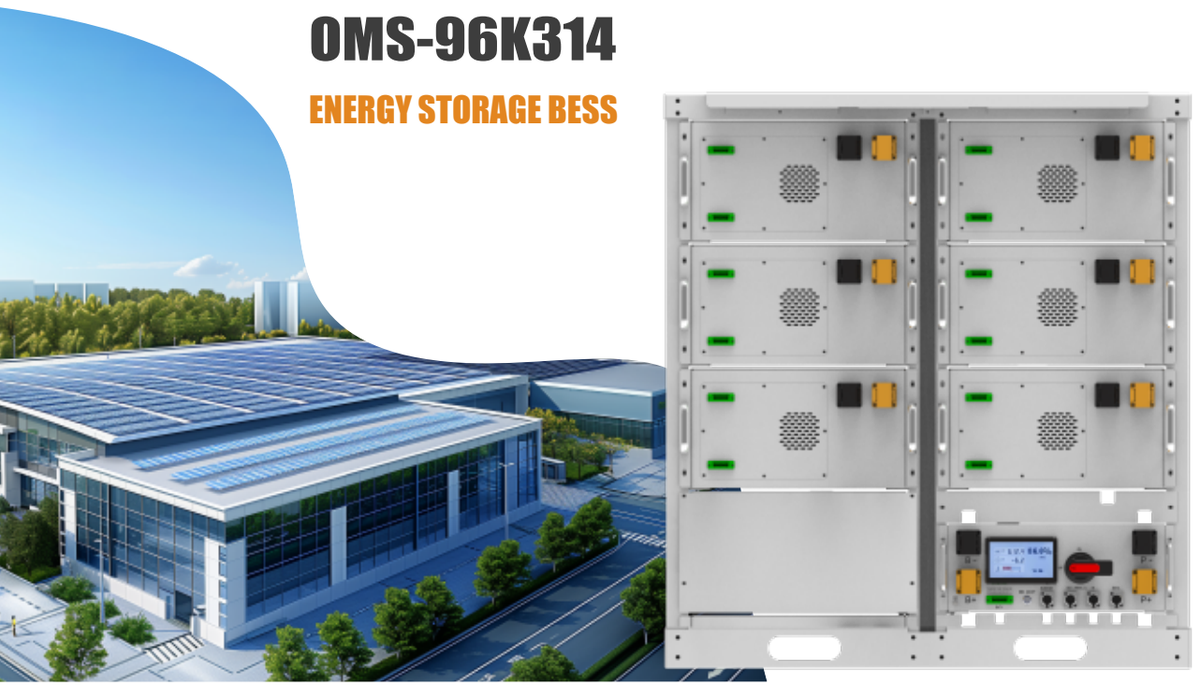




MODEL	OMS-80K314
Product	256.0V314AH
Nominal Voltage	256.0V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*5
Dimension RACK(mm)	550*780*1690
Weight(kg)	660
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	80.4
Cut-Off Voltage (V)	220
Charge Cut-Off Voltage (V)	284
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-96K314

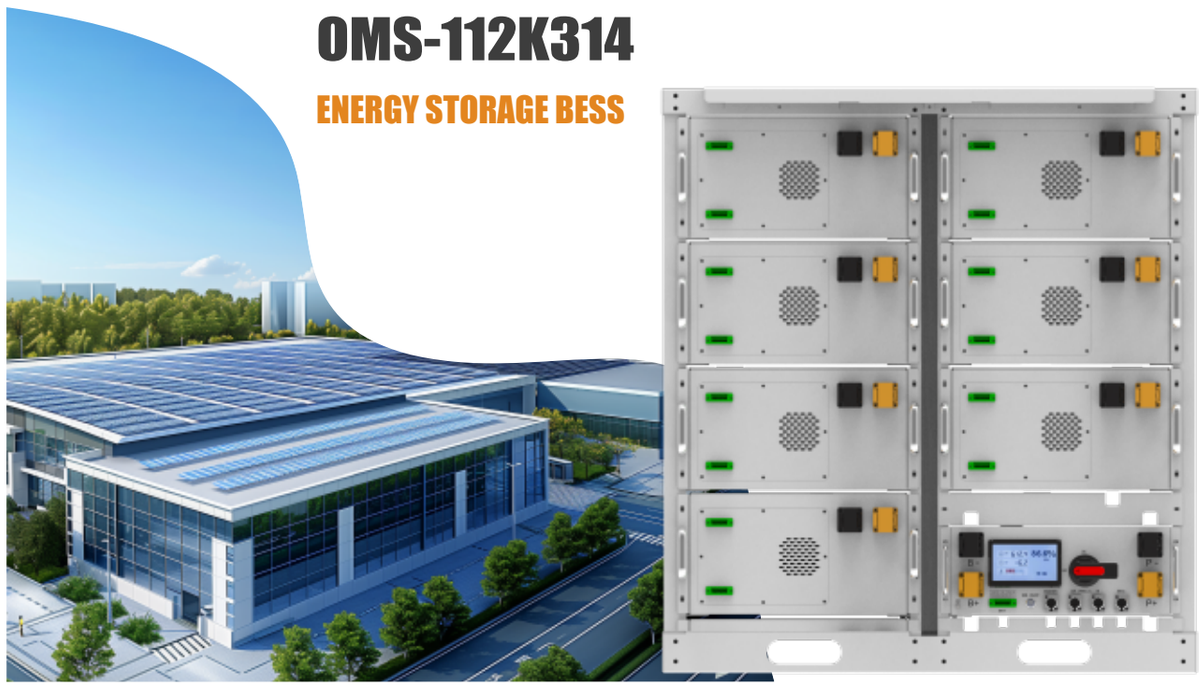
ENERGY STORAGE BESS



MODEL	OMS-96K314
Product	307.2V314AH
Nominal Voltage	307.2V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*6
Dimension RACK(mm)	1090*780*1190
Weight(kg)	796
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	96.5
Cut-Off Voltage (V)	264
Charge Cut-Off Voltage (V)	340.8
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-112K314

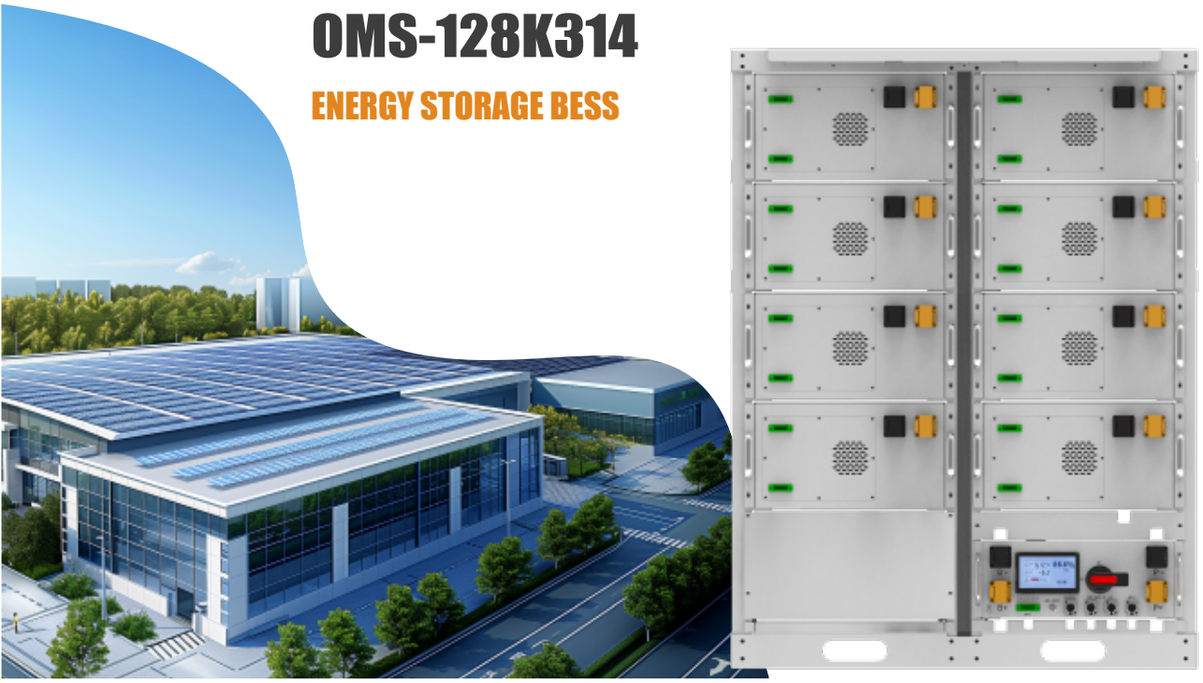
ENERGY STORAGE BESS



MODEL	OMS-112K314
Product	358.4V314AH
Nominal Voltage	358.4V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*7
Dimension RACK(mm)	1090*780*1190
Weight(kg)	912
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	112.5
Cut-Off Voltage (V)	308
Charge Cut-Off Voltage (V)	397.6
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-128K314

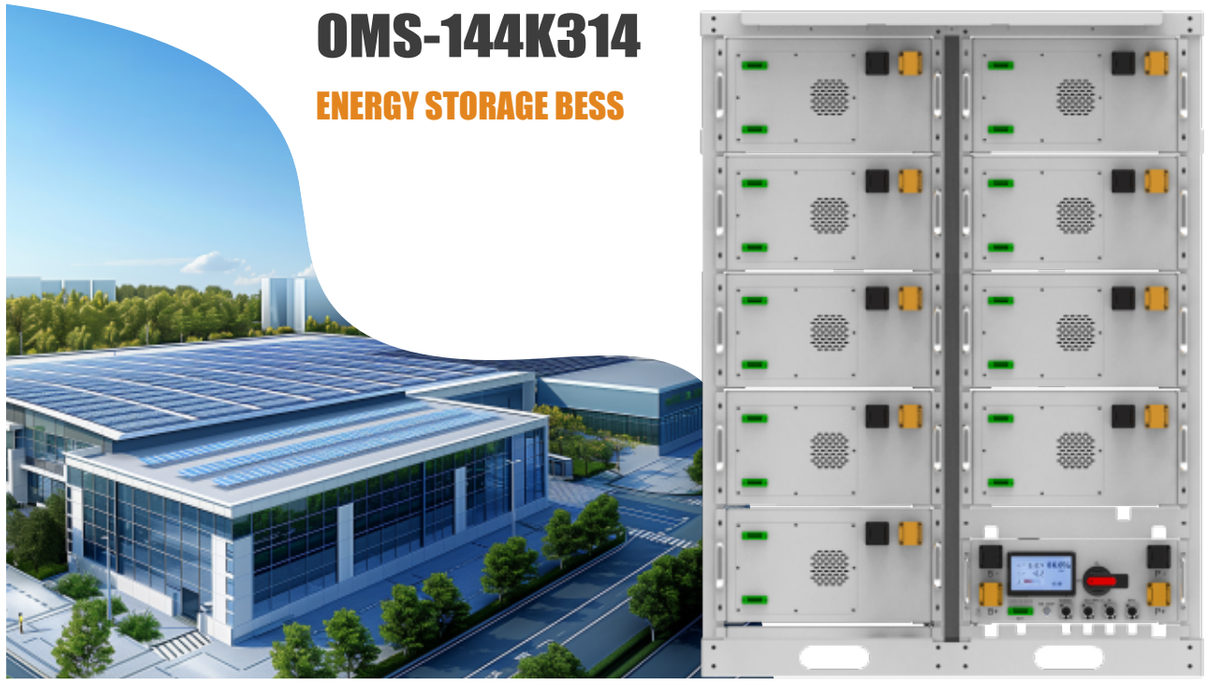
ENERGY STORAGE BESS



MODEL	OMS-128K314
Product	409.6V314AH
Nominal Voltage	409.6V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*8
Dimension RACK(mm)	1090*780*1440
Weight(kg)	1048
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	128.6
Cut-Off Voltage (V)	352
Charge Cut-Off Voltage (V)	454.4
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-144K314

ENERGY STORAGE BESS



MODEL	OMS-144K314
Product	460.8V 314AH
Nominal Voltage	460.8V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*9
Dimension RACK(mm)	1090*780*1440
Weight(kg)	1164
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	144.7
Cut-Off Voltage (V)	396
Charge Cut-Off Voltage (V)	511.2
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-160K314

ENERGY STORAGE BESS



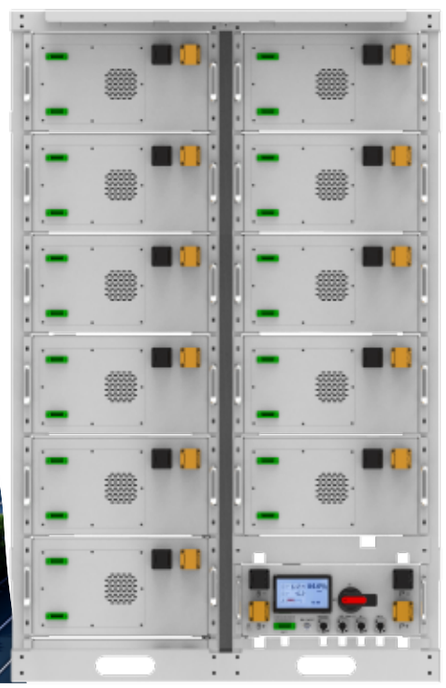


MODEL	OMS-160K314
Product	512V 314AH
Nominal Voltage	512V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*10
Dimension RACK(mm)	1090*780*1690
Weight(kg)	1300
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	160.8
Cut-Off Voltage (V)	440
Charge Cut-Off Voltage (V)	568
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-176K314

ENERGY STORAGE BESS





MODEL	OMS-176K314
Product	563.2V314AH
Nominal Voltage	563.2V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*11
Dimension RACK(mm)	1090*780*1690
Weight(kg)	1416
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	176.8
Cut-Off Voltage (V)	484
Charge Cut-Off Voltage (V)	624.8
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-193K314

ENERGY STORAGE BESS





MODEL	OMS-193K314
Product	614.4V314AH
Nominal Voltage	614.4V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*12
Dimension RACK(mm)	1090*780*1940
Weight(kg)	1552
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	192.9
Cut-Off Voltage (V)	528
Charge Cut-Off Voltage (V)	681.6
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

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OMS-209K314

ENERGY STORAGE BESS





MODEL	OMS-209K314
Product	665.6V314AH
Nominal Voltage	665.6V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*13
Dimension RACK(mm)	1090*780*1940
Weight(kg)	1668
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	209
Cut-Off Voltage (V)	572
Charge Cut-Off Voltage (V)	738.4
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-225K314

ENERGY STORAGE BESS





MODEL	OMS-225K314
Product	716.8V314AH
Nominal Voltage	716.8V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*14
Dimension RACK(mm)	1090*780*2190
Weight(kg)	1804
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	225.1
Cut-Off Voltage (V)	616
Charge Cut-Off Voltage (V)	795.2
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

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OMS-225K314

ENERGY STORAGE BESS



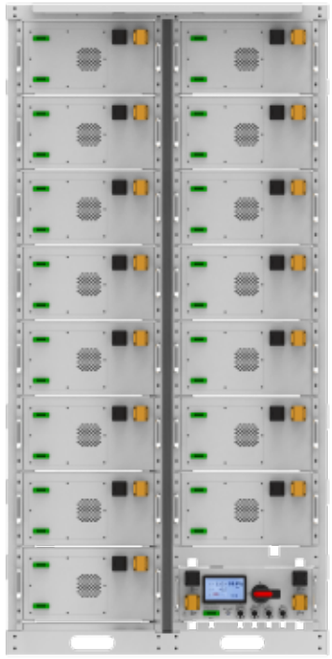


MODEL	OMS-225K314
Product	716.8V314AH
Nominal Voltage	716.8V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*14
Dimension RACK(mm)	1650*780*1425
Weight(kg)	1804
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	225.1
Cut-Off Voltage (V)	616
Charge Cut-Off Voltage (V)	795.2
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

OMS-241K314

ENERGY STORAGE BESS





MODEL	OMS-241K314
Product	768V314AH
Nominal Voltage	768V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*15
Dimension RACK(mm)	1090*780*2190
Weight(kg)	1920
SPECIFICATIONS	**PARAMETER**
Nominal Capacity (KWH)	241.2
Cut-Off Voltage (V)	660
Charge Cut-Off Voltage (V)	852
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	- 20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% D0D) >6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS/ROHS

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OMS-200K

Integration of energy storage



Vodloon



OMS-200K

Integration of energy storage

SAFER

RELIABLE

FLEXIBLE

CONVENIENT

ECO-FRIENDLY



Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety andlongLifespan, high efficiency and highpower density. IntelligentBMS,providing completeprotection.

Reliable

Support high discharge power. IP54, natural cooling, widetemperaturerange: -20°Cto55°C.

Flexible

Modulardesign, easy to expand,
Suited to residential andcommercial applications forincreasing theself-consumptionratio.

Convenient

Battery module auto networking, easymaintenance, supportremotely monitoring and upgrade, support USB driveupgradethe firmware.

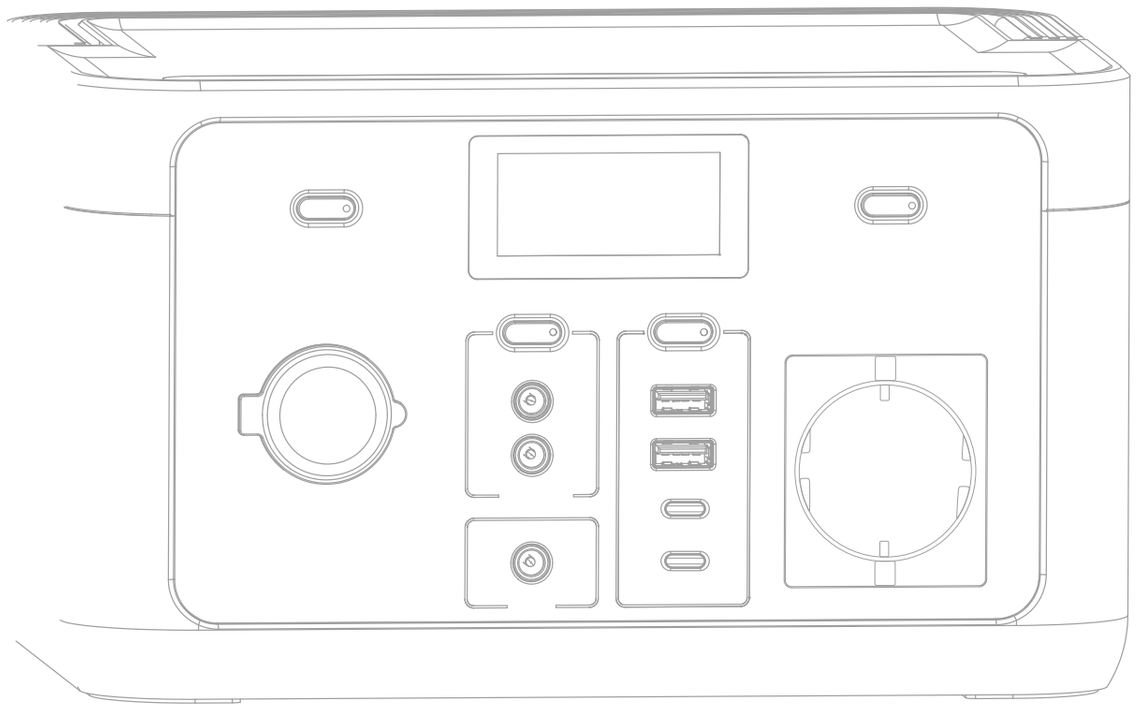
Eco-Friendly

Use environmental protection materials, the whole modulenon-toxic,pollution-free.

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MODEL	OMS-200K
Product	HV200K
Nominal Voltage	716.8V
Nominal Capacity	280AH
Cabinet Size(mm)	1626*1245*2175
Weight(kg)	2200KG
Charge/discharge power MAX	140A
Cooling method	Air-cooled
Protection class	IP55
Type of firefighting	Aerosol
BATTERIE SPECIFICATIONS	**PARAMETER**
Battery Types	51.2V-280AH
Nominal Capacity (KWh)	200KWh
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge Current(A)	140
Communicaiton	RS485/CAN
Working Temperature	0°C Charge -10°C ~50°C Disharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	10years+
Cycle Life	5C/0.5C-80% D0D)>6000 times
Cooling method	Air-cooled
Certification	UN38.3/MSDS/ROHS
AC SPECIFICATIONS	**PARAMETER**
Rating	50KW/100KW
Overloaded	110%
Rated AC Voltage	400V
Rated frequency	50/60Hz
Communicaiton	Ethernet/Modbus/TCP/IP
Inverter Type	Deye/Solis/Megarevo/Other

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03

POWER STATION & BALCONY SOLAR SYSTEM

Power Station & Balcony Solar System

Provide users with a one-stop photovoltaic energy storage solution

SIPS Portable Power Station

300W-5000W

110/220V AC output

Emergency lighting

Lithium iron phosphate battery pack

Pure sine wave output



(500W)



(1500W)



(3000W)

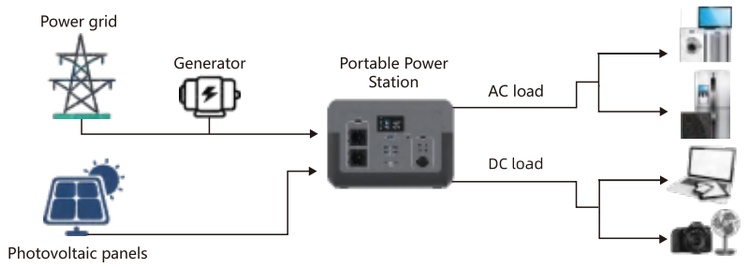
Product Introduction

SIPS portable energy storage power station has a built-in inverter, which can output sine wave AC power similar to household electricity, and can provide emergency power for electrical appliances. It has multiple DC voltage outputs (5V/9V/12V/15V/20V) that are compatible with different ports such as USB, TYPE-C, DC5521, cigarette lighter, etc. It is also equipped with LED lighting, which can display the real-time status and output power of the battery through the display screen.

Product features

1. 110V/220Vac output customizable
2. 3000 cycles of A-grade LiFePO4 cell
3. Pure sine wave output
4. Multi level emergency lighting
5. Solar/mains charging
6. Lithium iron phosphate battery pack
7. USB/TYPE-C/DC5521/Cigar lighter DC output

Product Connection Diagram



Product parameters

Model	SIPS-300	SIPS-500	SIPS-600	SIPS-1500	SIPS-2400	SIPS-3000	SIPS-5000
Rated power	300W	500W	600W	1500W	2400W	3000W	5000W
Peak power	600W	1000W	1200W	3000W	4800W	6000W	10000W
Rated capacity	256Wh/320Wh Optional	480Wh	560Wh	1280Wh	2560Wh	2560Wh	5120Wh
Battery pack parameters	25Ah,12.8V	25Ah/19.2V	25Ah,22.4V	25Ah,51.2V	50Ah,51.2V	50Ah,51.2V	100Ah,51.2V
Battery brand and type	Grade A LiFePO4 Battery(3000 Cycles)						
Communication output	100V, 110V, 120V, 220V, or 230V ± 5% (voltage adjustable)						
Output waveform	Pure Sine Wine						
USB output	2 * USB A output:QC18W	2 * USB A output:QC18W	2 * USB A output:QC18W	USB-A1+USB-A2 output: QC18W USB-A3+USB-A4 output: OC18W			
Type-C1 output	PD30W	PD24W	PD30W	PD100W			
Type-C2 output	PD60W	PD100W	PD100W	PD100W			
Cigarette lighter/2 * DC5521 output	12V/10A	12V/10A	12V/10A	/	/	/	/
Cigarette lighter/4 * DC5521 output	/	/	/	12V/10A	12V/10A	12V/10A	12V/10A
Solar panel/DC5521 charging	10.8V-23V,3A (Maximum60W)	10.8V-23V,5A (Maximum100W)	12-60V,12A (Maximum240W)	10-60V,13A (Maximum440W)	10-60V,13A (Maximum440W)	10-60V,13A (Maximum440W)	120-450V,45A (Maximum5000W)
AC charging	60W(Charging with adapter)	100W(Charging with adapter)	(Maximum500W)	90-246V (Maximum1200W)	90-264V (US/Japanese: maximum 1600W; Chinese/European: maximum 2000W)		
Charging temperature	0-40℃(32-104℉)						
Discharge temperature	-10-45℃(14-113℉)						
Product size (mm)	240*185*138	254*200*182	254*200*182	374*265*263	374*265*349	403*300*435	520*405*514
Package size (mm)	560*448*240	510*310*300	510*310*300	472*368*355	470*360*440	546*446*640	660*500*605
NW./PCS (kg)	3.9	6.5	6.5	18	26	37.5	72
GW. /Ctn (kg)	21 (4 sets per box)	16.5 (2 sets per box)	16.5 (2 sets per box)	20 (1 sets per box)	29 (1 sets per box)	60 (1 sets per box)	95 (1 sets per box)
Describe	Grade A LiFePO4 Battery			UPS/Bidirectional inverter/Supports parallel connection/With WIFI and Bluetooth/Can work at high power/Voltage adjustable/ Grade A LiFePO4 Battery			
Packaging method	Carton						Wooden box
Warranty	1 year						

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SIPT Split Energy Storage System

4KW 5kWh / 6kW 5kWh



110/220V AC output

AC/Solar Charge

Lithium iron phosphate battery pack

Pure sine wave output

Product Introduction

SIPT energy storage system is one of a series of industrial energy storage products designed and developed independently. Long cycle life, high safety standard BMS software protection, sturdy shell, beautiful appearance, easy installation and use, etc. Widely used in various energy storage systems.

Product features

1. The module is non-toxic, non-polluting and environmentally friendly.
2. Cathode material is made from LiFePO4 with safety performance and long cycle life.
3. Battery management system (BMS) has protection functions including over- discharge, over-charge, over-current and high/low temperature.
4. The system can automatically manage charge and discharge state and balance voltage of each cell.
5. Adopted self-cooling mode rapidly reduced system entire noise.
6. The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.
7. Multi-functional LED intelligent digital screen display

Product Parameters

Model	SIPT 4KW 5kWh	SIPT 6KW 5kWh
Battery parameters		
Module model	51.2V100Ah	51.2V100Ah
Battery type	LFP IP16S	LFP IP16S
Nominal capacity	5.12kWh	5.12kWh
Nominal voltage	51.2V	51.2V
Working voltage	43.2-58.4V	43.2-58.4V
PV input		
PV array mppt voltage range	12-30V/30V-150V	12-30V/30V-150V
Maximum solar charge Current	10A/30A	10A/30A
AC input		
Voltage	120VAC/240VAC	120VAC/240VAC
AC input current	15A/10A	15A/10A
AC output		
AC output	120V16.7A/120V16.7A/240V16.7A	120V20A/120V30A/240V30A
DC output		
DC output	12V30A/5521x2(12V10A)	12V30A/5521x2(12V10A)
Type-c	PD 100Wx1/ 30Wx1	PD 100Wx1/ 30Wx1
USB	QC3.0	QC3.0
Overall parameters		
Communication	RS485,Bluetooth,Rs232	RS485,Bluetooth,Rs232
Storage temperature	-20°C~55°C(Recommended)	-20°C~55°C(Recommended)
Working humidity	< 95%(RH)No Condensation	< 95%(RH)No Condensation
Working temperature	-10°C~40°C	-10°C~40°C
Working altitude	≤2000m	≤2000m
Cooling method	Fan cooled	Fan cooled
Protective class	Ip20	Ip20
Weight	75kg	80kg
Dimension	550x285(315)x850(995)mm	550x285(315)x850(995)mm
Design life	10 Years(25℃)	10 Years(25℃)
Cycle life	>6000(25℃),80%DOD	>6000(25℃),80%DOD

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SBMY All-in-One Balcony Solar Power System

Number of battery modules:51.2V 50Ah

BMS protection | Stacked design | Home energy storage | Intelligent communication



Product Introduction

SBMY All-in-One machine, which is used in Balcony solar power system. It is a micro solar power generation system integrating batteries and PV control modules comprised of a battery section and a PV control section, it forms a complete set of balcony PV energy storage system in conjunction with PV modules, micro-inverters, smart electricity meters, and the power grid. This product can efficiently store the direct current generated by solar panels in the storage battery and connect to the electrical loads and the power grid through the micro-inverter, providing people with green electric energy while effectively addressing the key technical challenges such as the usability, safety, and service life of the PV energy storage system.

Product features

1. Grade A LiFePO4 cell
2. Wi-Fi communication control
3. Parallel support for 5PCS
4. 6000 cycles @ DOD80%
5. Convenient to move and freely combine
6. Power quantification

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Battery	
Battery type	LiFePO4
Rated voltage	51.2V(16S)
Battery capadity	2.56kWh
Cycle life	6000(25℃)
Discharge depth	90%
Maximum charging current	60A
DC input (PV input)	
Maximum input power	800Wx2 max
Mppt voltage range	18V-60V
Start-up voltage	12V
Operating voltage range	12V-60V
Input conversion efficiency)	98% Max
Maximum input voltage	60V
Maximum input current per channel	25A
Maximum input short-circuit protection current (transient) per channel	90A
Number of MPPT tracking	2
MPPT tracking efficiency	99%
DC output (INV output)	
Maximum output power	800Wx2 Max
Output conversion efficiency	98% Max
Operating voltage range	18V-55V
Maximum output voltage	55V
Maximum output current per channel	28
Maximum input short-circuit protection current (transient) per channel	90A
General parameters	
Product dimensions	Control module (with battery): 420 * 280 * 305.5mm Battery: 420 * 280 * 204mm Base: 420 * 280 * 32.5mm
Packaging dimensions	520mmx270mmx310mm
Net weight	≈20kg
Maximum number of external parallel slave battery packs	5 PCS
Capacity of a single slave battery pack	2.56kWh
Charging operating temperature	0℃-55℃
Discharging operating temperature	-20℃-60℃
Protection grade	Ip65
Communication mode	WIFI
Heat dissipation mode	natural cooling