



Our Mission

Let the world use safe and reliable green energy!



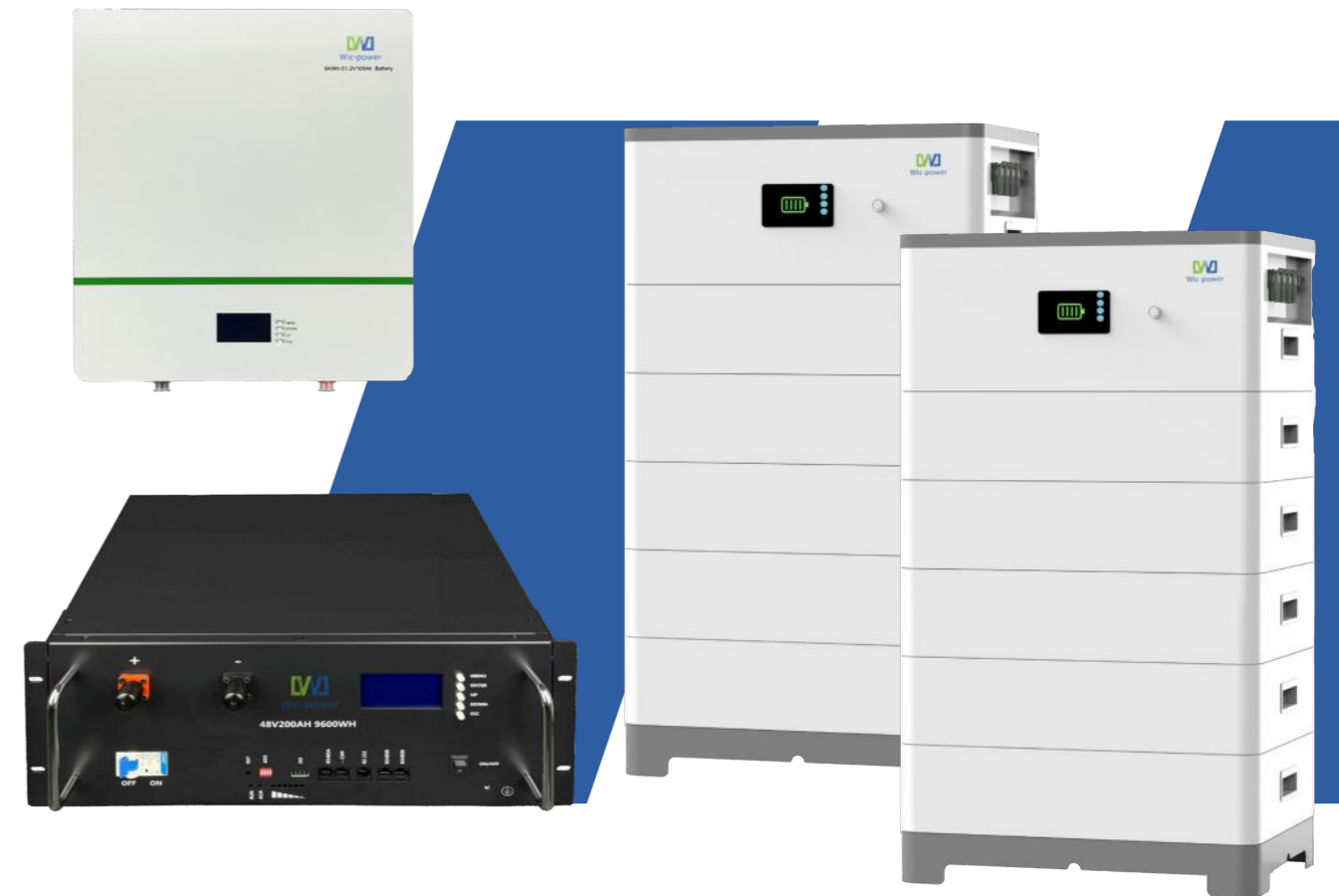
Our Vision

Become a world-class Energy Storage System solution integrator!



Corporate Values

Honesty, Integrity, Friendliness, Pursuit of Excellence



WIC-POWER NEW ENERGY



Wic-power

Guangdong Wic-power New Energy Co., Ltd.

Address: Jiajiahao Business Building, Shennan Avenue, Nanshan District,
Shenzhen City, Guangdong Province, China

Mobile: +86-177 2781 2518

Email: info@wic-power.com

Website: www.wic-power.com



PowerBlade

Super Slim 2U 51.2V 100Ah

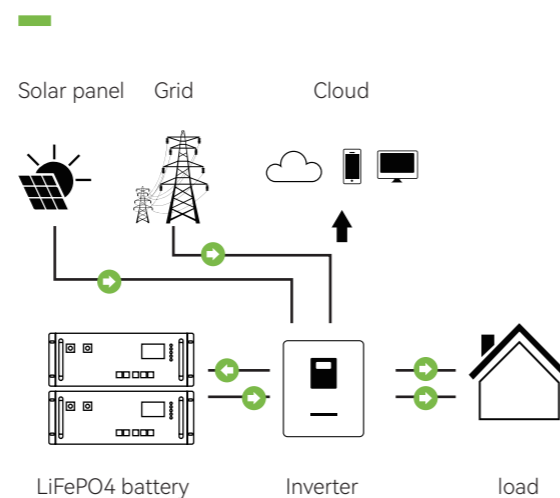
LiFePO4 Prismatic Cells



Features

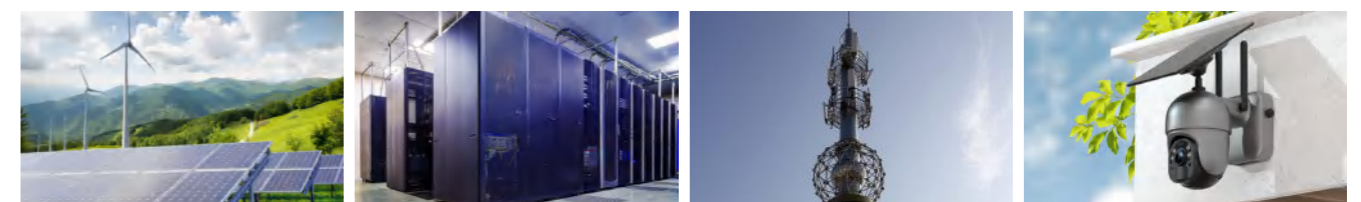
- Compact and Lightweight
- Multiple Communication Protocols
- Long-lasting Battery Life
- Compatible with Different Inverters
- Smart Battery Management System
- Safe and Reliable

Application



Super Slim 2U 51.2V 100Ah Basic Parameters

Specifications	RL51100X1
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (Wh)	5120
Configurations of Cells	16S1P
Operation Parameter	
Charge Cut-off Voltage(V)	56
Discharge Cut-off Voltage(V)	44
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	<16 units
Environment Parameter	
Charge Temperature Range (°C)	0~45
Discharge Temperature Range (°C)	-20~60
Humidity of Working Environment Range	5~95% RH
Working Altitude Range(m)	≤ 3000
Physical Parameter	
Dimension(mm)	L456*W637*H90
Weight (kg)	42±3
Communication Port	CAN,RS485,RS232
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS



Solar/ Wind energy storage

Data center energy backup

Telecom energy backup

CCTV energy backup



PowerBlade

Super Slim 2U 51.2V 100Ah

LiFePO4 Prismatic Cells

Features



Compact and Lightweight



Multiple Communication Protocols



Long-lasting Battery Life



Compatible with Different Inverters

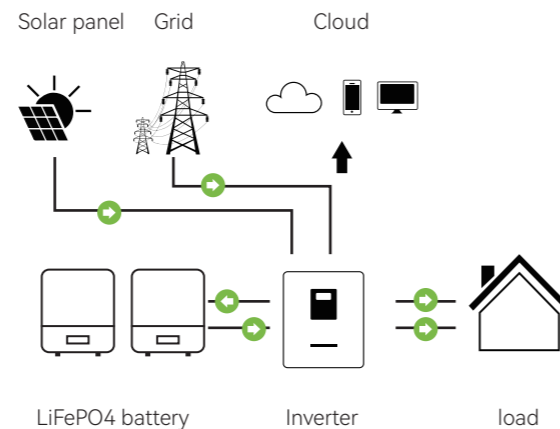


Smart Battery Management System



Safe and Reliable

Application



Super Slim 2U 51.2V 100Ah Basic Parameters

Specifications	WL51100X1
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (Wh)	5120
Configurations of Cells	16S1P
Operation Parameter	
Charge Cut-off Voltage(V)	56-58
Discharge Cut-off Voltage(V)	40-44
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	<16 units
Environment Parameter	
Charge Temperature Range (°C)	0~45
Discharge Temperature Range (°C)	-20~55
Humidity of Working Environment Range	5~95% RH
Working Altitude Range(m)	≤ 3000
Physical Parameter	
Dimension(mm)	L520*W752*H110
Weight (kg)	50±3
Communication Port	CAN,RS485,RS232
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS



Solar/ Wind energy storage



Data center energy backup



Household energy storage



CCTV energy backup



PowerStone

51.2V 100Ah/200Ah

LiFePO4 Prismatic Cells



Features



Compact and Lightweight



Multiple Communication Protocols



Long-lasting Battery Life



Compatible with Different Inverters

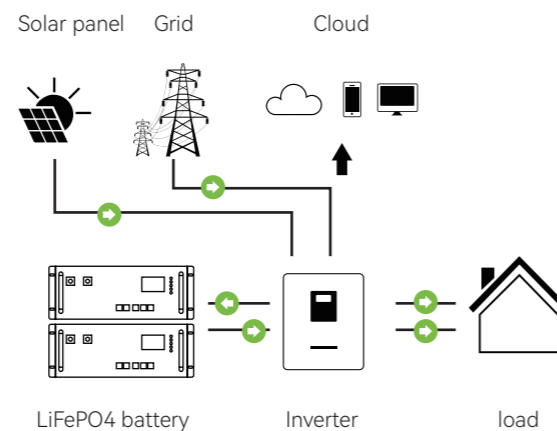


Smart Battery Management System



Safe and Reliable

Application



51.2V 100Ah/200Ah Basic Parameters

Specifications	RL51100H1	RL51200H1
Basic Parameters		
Nominal Voltage (V)	51.2	51.2
Nominal Capacity (Ah)	100	200
Nominal Energy (Wh)	5120	10240
Configurations of Cells	16S1P	16S2P
Operation Parameter		
Charge Cut-off Voltage(V)	58.4	58.4
Discharge Cut-off Voltage(V)	43.2	43.2
Recommend Charge Current(A)	50	50
Maximum Continuous Charge Current(A)	100	100
Maximum Continuous Discharge Current(A)	100	100
Capability of Quantity in Parallel	≤ 16 units	
Environment Parameter		
Charge Temperature Range (°C)	0~45	
Discharge Temperature Range (°C)	-20~60	
Humidity of Working Environment Range	5~95% RH	
Working Altitude Range(m)	<2000	
Physical Parameter		
Dimension(mm)	L460*W442*H177	L680*W442*H185
Weight (kg)	45±2	90±2
Communication Port	RS485, RS232, CAN	
Display	LCD(Optional)	
Life and Warranty		
Cycle Life(Times)	>6000 (0.5C@25°C,80%DOD)	
Design Life (Years)	10+	
Warranty (Years)	5	
Certification and Test Report		
Safety Certification	CE	
Transportation Certification	UN38.3, MSDS	



Solar/ Wind energy storage



Data center energy backup



Telecom energy backup



CCTV energy backup

PowerStone

51.2V 100Ah

LiFePO4 Pouch Cells



Features



Compact and Lightweight



Multiple Communication Protocols



Long-lasting Battery Life



Compatible with Different Inverters

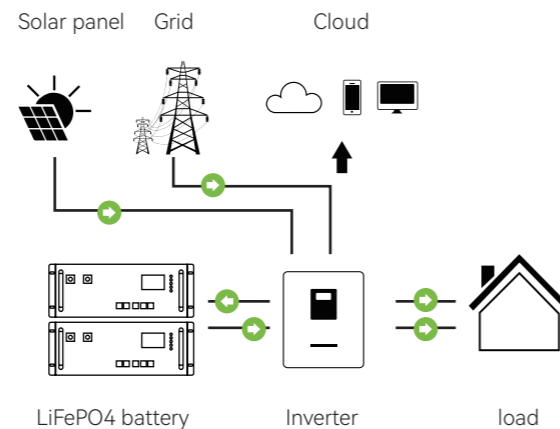


Smart Battery Management System



Safe and Reliable

Application



51.2V 100Ah Basic Parameters

Specifications	RL51100S1-P
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (Wh)	5120
Configurations of Cells	16S2P
Operation Parameter	
Charge Cut-off Voltage(V)	58.4
Discharge Cut-off Voltage(V)	42
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	≤ 16 units
Environment Parameter	
Charge Temperature Range (°C)	0~40
Discharge Temperature Range (°C)	-20~40
Humidity of Working Environment Range	5~95% RH
Working Altitude Range(m)	≤ 3000
Physical Parameter	
Dimension(mm)	L545*W433*H166
Weight (kg)	47±3
Communication Port	RS485, CAN
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS



Solar/ Wind energy storage



Data center energy backup



Telecom energy backup



CCTV energy backup

PowerStone

51.2V 280Ah

LiFePO4 Prismatic Cells



Features



Compact and Lightweight



Multiple Communication Protocols



Long-lasting Battery Life



Compatible with Different Inverters

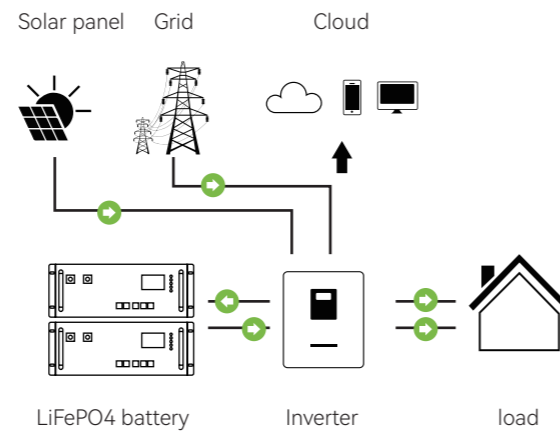


Smart Battery Management System



Safe and Reliable

Application



51.2V 280Ah Basic Parameters

Specifications	RL51280S1-E
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	280
Nominal Energy (Wh)	14336
Configurations of Cells	16S1P
Operation Parameter	
Charge Cut-off Voltage(V)	57.6
Discharge Cut-off Voltage(V)	41.6
Recommend Charge Current(A)	140
Maximum Continuous Charge Current(A)	200
Maximum Continuous Discharge Current(A)	200
Capability of Quantity in Parallel	≤ 16 units
Environment Parameter	
Charge Temperature Range (°C)	0~50
Discharge Temperature Range (°C)	-10~50
Humidity of Working Environment Range	10~85% RH
Working Altitude Range(m)	≤ 2000
Physical Parameter	
Dimension(mm)	L750*W440*H251
Weight (kg)	112±5
Communication Port	RS485(Default) or CAN
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS



Solar/ Wind energy storage



Data center energy backup



Telecom energy backup



CCTV energy backup



PowerStone

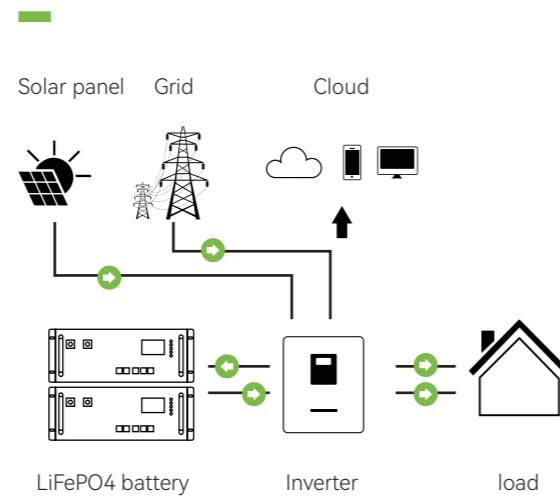
51.2V 100Ah

LiFePO4 Prismatic Cells

Features

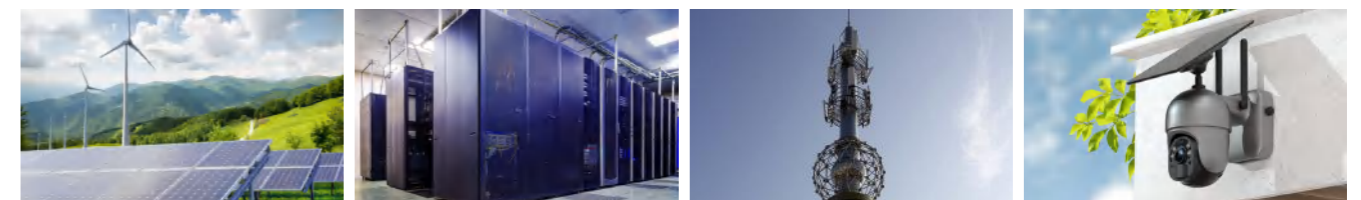
- Compact and Lightweight
- Multiple Communication Protocols
- Long-lasting Battery Life
- Compatible with Different Inverters
- Smart Battery Management System
- Safe and Reliable

Application



51.2V 100Ah Basic Parameters

Specifications	RL51100S1-G
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (Wh)	5120
Configurations of Cells	2 X 8S1P
Operation Parameter	
Charge Cut-off Voltage(V)	57.6
Discharge Cut-off Voltage(V)	41.6
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	≤ 16 units
Environment Parameter	
Charge Temperature Range (°C)	0~50
Discharge Temperature Range (°C)	-10~50
Humidity of Working Environment Range	10~85% RH
Working Altitude Range(m)	≤ 3000
Physical Parameter	
Dimension(mm)	L565*W440*H170
Weight (kg)	56±5
Communication Port	CAN(Default) or RS485
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE,TUV,ROHS
Transportation Certification	UN38.3, MSDS



Solar/ Wind energy storage

Data center energy backup

Telecom energy backup

CCTV energy backup



PowerWall

51.2V 100Ah

LiFePO4 Pouch Cells

51.2V 100Ah Basic Parameters

Specifications	WL51100S1-Mini
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (Wh)	5120
Configurations of Cells	16S2P
Operation Parameter	
Charge Cut-off Voltage(V)	58.4
Discharge Cut-off Voltage(V)	42
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	≤ 16 units
Environment Parameter	
Charge Temperature Range (°C)	0~40
Discharge Temperature Range (°C)	-20~40
Humidity of Working Environment Range	5~80% RH
Working Altitude Range(m)	≤ 3000
Physical Parameter	
Dimension(mm)	L480+W430+H165
Weight (kg)	46±3
Communication Port	RS485, CAN
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS

Features



Compact and Lightweight



Multiple Communication Protocols



Long-lasting Battery Life



Compatible with Different Inverters

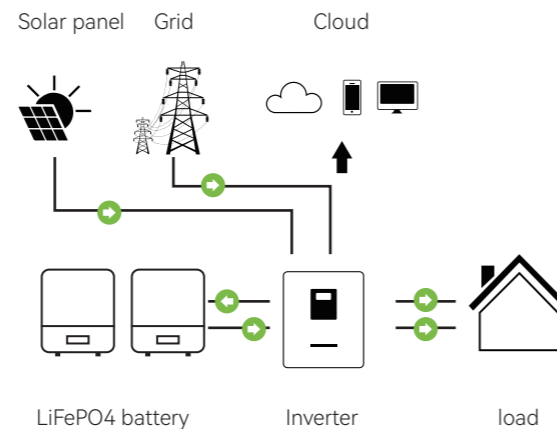


Smart Battery Management System



Safe and Reliable

Application



Solar/ Wind energy storage



Data center energy backup



Household energy storage



CCTV energy backup





PowerWall

51.2V 100Ah

LiFePO4 Prismatic Cells

51.2V 100Ah Basic Parameters

Specifications	RL51100H1
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (Wh)	5120
Configurations of Cells	16S1P
Operation Parameter	
Charge Cut-off Voltage(V)	58.4
Discharge Cut-off Voltage(V)	43.2
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	≤ 16 units
Environment Parameter	
Charge Temperature Range (°C)	0~45°C
Discharge Temperature Range (°C)	-20~60°C
Humidity of Working Environment Range	5~95% RH
Working Altitude Range(m)	<2000
Physical Parameter	
Dimension(mm)	L501*W452*H155
Weight (kg)	50±2
Communication Port	RS485, RS232, CAN
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS

Features



Compact and Lightweight



Multiple Communication Protocols



Long-lasting Battery Life



Compatible with Different Inverters

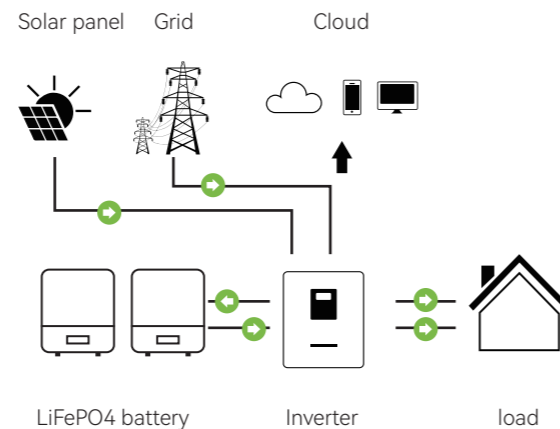


Smart Battery Management System



Safe and Reliable

Application



Solar/ Wind energy storage



Data center energy backup



Household energy storage



CCTV energy backup





PowerWall

51.2V 100Ah

LiFePO4 Pouch Cells

Features



Compact and Lightweight



Multiple Communication Protocols



Long-lasting Battery Life



Compatible with Different Inverters

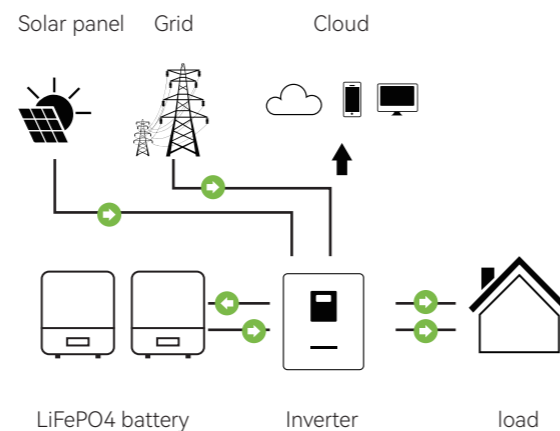


Smart Battery Management System



Safe and Reliable

Application



51.2V 100Ah Basic Parameters

Specifications	WL51100S1-P
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (Wh)	5120
Configurations of Cells	16S2P
Operation Parameter	
Charge Cut-off Voltage(V)	58.4
Discharge Cut-off Voltage(V)	42
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	≤ 16 units
Environment Parameter	
Charge Temperature Range (°C)	0~40
Discharge Temperature Range (°C)	-20~40
Humidity of Working Environment Range	5~95% RH
Working Altitude Range(m)	≤ 3000
Physical Parameter	
Dimension(mm)	L580*W460*H173
Weight (kg)	48±3
Communication Port	RS485, CAN
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS



Solar/ Wind energy storage



Data center energy backup



Household energy storage



CCTV energy backup



PowerWall

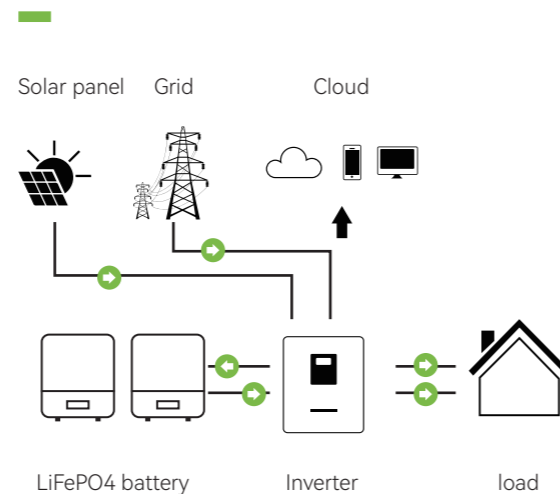
51.2V 200Ah Wall-mounted Floor-stand

LiFePO4 Pouch Cells

Features

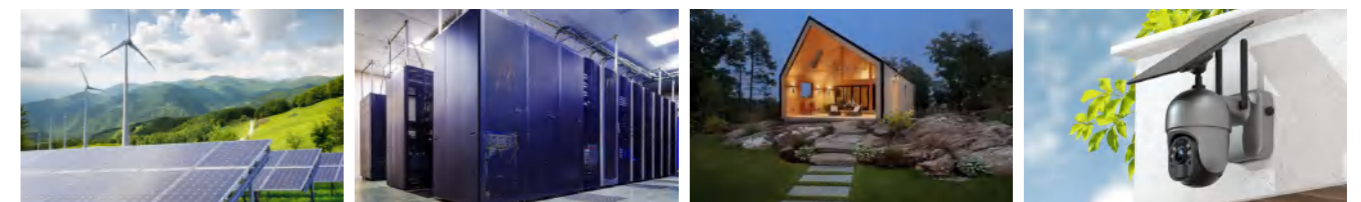
- Compact and Lightweight
- Multiple Communication Protocols
- Long-lasting Battery Life
- Compatible with Different Inverters
- Smart Battery Management System
- Safe and Reliable

Application



51.2V 200Ah Wall-mounted/Floor-stand Basic Parameters

Specifications	WL51200S1-P
Basic Parameters	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	200
Nominal Energy (Wh)	1024
Configurations of Cells	16S4P
Operation Parameter	
Charge Cut-off Voltage(V)	58.4
Discharge Cut-off Voltage(V)	41.6
Recommend Charge Current(A)	50
Maximum Continuous Charge Current(A)	100
Maximum Continuous Discharge Current(A)	100
Capability of Quantity in Parallel	≤ 16 units
Environment Parameter	
Charge Temperature Range (°C)	0~40
Discharge Temperature Range (°C)	-10~40
Humidity of Working Environment Range	5~80% RH
Working Altitude Range(m)	≤ 3000
Physical Parameter	
Dimension(mm)	L920*W550*H205
Weight (kg)	95±3
Communication Port	RS485, CAN
Display	LCD(Optional)
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Safety Certification	CE
Transportation Certification	UN38.3, MSDS



Solar/ Wind energy storage

Data center energy backup

Household energy storage

CCTV energy backup



PowerBrick

7.68kWh-15.36kWh

LiFePO4 Prismatic Cells

7.68kWh-15.36kWh Basic Parameters

Specifications	SHB2500H1			
	SHB2500H1-03	SHB2500H1-04	SHB2500H1-05	SHB2500H1-06
Basic Parameters				
Single Module Nominal Voltage (V)	51.2			
Single Module Nominal Capacity (Ah)	50			
Single Module Single Module Nominal Energy (Wh)	2560			
Single Module Configurations of Cells	16S1P			
Quantity of Modules (Unit)	3	4	5	6
System Nominal Voltage (V)	153.6	204.8	256	307.2
System Nominal Capacity (Ah)	50	50	50	50
System Nominal Energy (Wh)	7680	10240	12800	15360
System Configurations of Cells	48S1P	64S1P	80S1P	96S1P
Operation Parameter				
Working Voltage Range(V)	136.8-172.8	182.4-230.4	228.0-288.0	273.6-345.6
Recommend Charge Current(A)	25			
Maximum Continuous Charge Current(A)	50			
Maximum Continuous Discharge Current(A)	50			
Capability of Quantity of Systems in Parallel	≤ 16 Sets			
Environment Parameter				
Charge Temperature Range (°C)	0~45			
Discharge Temperature Range (°C)	-10~50			
Humidity of Working Environment Range	5~95% RH			
Working Altitude Range(m)	<2000			
Physical Parameter				
Dimension(mm)	L550*W430*H698	L550*W430*H827	L550*W430*H956	L550*W430*H1085
Weight (kg)	115±2	145±2	175±2	205±2
Communication Port	RS485,CAN			
Display	LED			
Ingress Protection	IP55			
Life and Warranty				
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)			
Design Life (Years)	10+			
Warranty (Years)	5			
Certification and Test Report				
Safety Certification	CE			
Transportation Certification	UN38.3, MSDS			

Features



Easy Installation



Modular Stackable



Multiple Communication Protocols



Long-lasting Battery Life



Real-Time Parameter Display

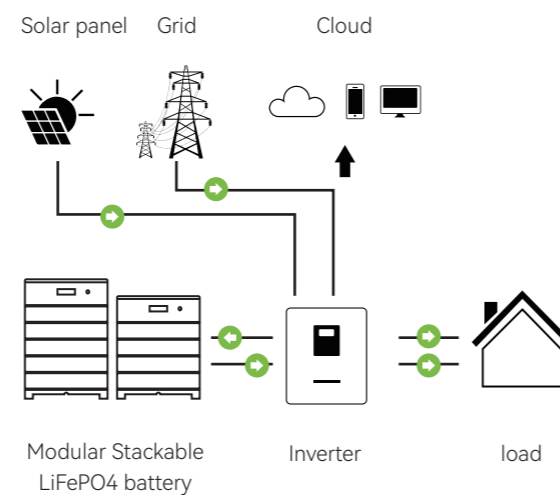


Hybrid Inverter Compatible



SHB2500H1-03 SHB2500H1-04 SHB2500H1-05 SHB2500H1-06 Stackable

Application



PowerHub

All-in-one ESS

LiFePO4 Prismatic Cells



Features



Easy Installation



Modular Stackable



User-friendly



All-in-one System with Built-in Inverter

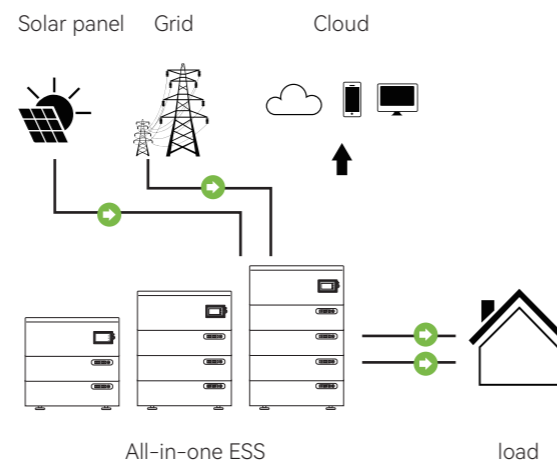


Real-Time Parameter Display



Long-lasting Battery Life

Application



Built-in Inverter Module Specifications

Built-in Inverter Module Specifications	Built-in Inverter Modules for AL5120NU1 Battery					
	AL5120NU1-035S	AL5120NU1-050S	AL5120NU1-070S	AL5120NU1-100S	AL5120NU1-100T	AL5120NU1-150T
Phase Type	Single-phase	Single-phase	Single-phase	Single-phase	Tri-phase	Tri-phase
Nominal Output Power	3500W	5000W	7000W	10000W	10000W	15000W
Max. Output Current	16A	22.7A	32A	45.4A	16A/phase	22.7A/phase
Nominal Output Voltage	220V/230V/240V	220V/230V/240V	220V/230V/240V	220V/230V/240V	220V/380V	220V/380V
AC Input Voltage Range	170V~280V					
AC Input Frequency	50/60Hz					
AC Charge Current per Inverter(Battery)	30A(0A~60A)ADJ.	30A(0A~80A)ADJ.	30A(0A~60A)ADJ.	30A(0A~80A)ADJ.	30A(0A~60A)ADJ.	30A(0A~80A)ADJ.
Max. PV Power(Recommended)	4500W	6000W	4500W*2	6000W*2	4500W*3	6000W*3
Max PV Charge Current(Battery)	80A	100A	80A*2	100A*2	80A*3	100A*3
Inverter Module Dimension(mm)	L620*W365*H171	L620*W365*H171	L620*W365*H256	L620*W365*H256	L620*W365*H369	L620*W365*H369
Weight	23kg	23kg	35kg	35kg	47.4kg	47.4kg

Battery Specifications

Battery Specifications	AL5120NU1 Battery						
	AL51202U1	AL51203U1	AL51204U1	AL51205U1	AL51206U1	AL51207U1	AL51208U1
Battery Basic Parameters							
Single Module Nominal Voltage (V)	51.2						
Single Module Nominal Capacity (Ah)	100						
Single Module Single Module Nominal Energy (Wh)	5120						
Single Module Configurations of Cells	16S1P						
Battery Structure							
Quantity of Modules (Unit)	2	3	4	5	6	7	8
Battery Nominal Voltage (V)	51.2	51.2	51.2	51.2	51.2	51.2	51.2
Battery Nominal Capacity (Ah)	200	300	400	500	600	700	800
Battery Nominal Energy (Wh)	10240	15360	20480	25600	30720	35840	40960
Battery Configurations of Cells	16S2P	16S3P	16S4P	16S5P	16S6P	16S7P	16S8P
Physical Parameter							
Battery Stack Dimension(mm)	L620*W363*H375	L620*W363*H514	L620*W363*H653	L620*W363*H792	L620*W363*H931	L620*W363*H1070	L620*W363*H1209
Weight (kg)	98.6±2	145.2±2	191.8±2	238.4±2	285.0±2	331.6±2	378.2±2



PowerHub

Inverter + HV Battery ESS

LiFePO4 Prismatic Cells

Inverter Specifications

External On/Off-grid Inverter Specifications	External On/Off-grid Inverter for SH2560NU1 Battery							
	SH2560NU1-060T	SH2560NU1-075T	SH2560NU1-090T	SH2560NU1-120T	SH2560NU1-150T	SH2560NU1-180T	SH2560NU1-2250T	SH2560NU1-300T
PV Input Data								
Max.PV Power	6000W	7500W	9000W	12000W	15000W	18000W	22500W	30000W
No. of MPP Trackers	2							
No. of String per MPP Tracker	1/1	1/1	1/1	1/1	1/1	1/1	2/2	2/2
Max. Input Current	15A/15A	15A/15A	15A/15A	15A/15A	15A/15A	15A/15A	30A/30A	30A/30A
Battery Input Data								
Battery Voltage Range	135~750V							
Max. Charge Power	4000W	5000W	6000W	8000W	10000W	12000W	15000W	20000W
Max. Charge/Discharge Current	25A/25A	25A/25A	25A/25A	25A/25A	25A/25A	25A/25A	40A/40A	40A/40A
AC Output Data (On-grid)								
Rated AC Power	4000W	5000W	6000W	8000W	10000W	12000W	15000W	20000W
Max. AC Power Output to Grid	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA	22000VA
Max. AC Power from Grid	8000VA	10000VA	12000VA	16000VA	16500VA	16500VA	30000VA	30000VA
Rated Grid Voltage	3/N/PE, 220/380V, 230/400V, 240/415V							
AC Output Data (Back-up)								
Rated Output Power	4000W	5000W	6000W	8000W	10000W	12000W	15000W	20000W
Max. Output Power	4400W	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA	22000VA
Rated Output Frequency	50/60Hz							
Efficiency								
Max. efficiency	98.1%	98.1%	98.1%	98.2%	98.2%	98.2%	98.4%	98.4%
General Data								
Dimension(mm)	L550*W435*H210							
Weight	26kg	26kg	26kg	26kg	26kg	26kg	31kg	31kg

Features



Easy Installation



Modular Stackable



One-stop Solution with Matched Inverter



Switchable between On-grid and Off-grid Modes

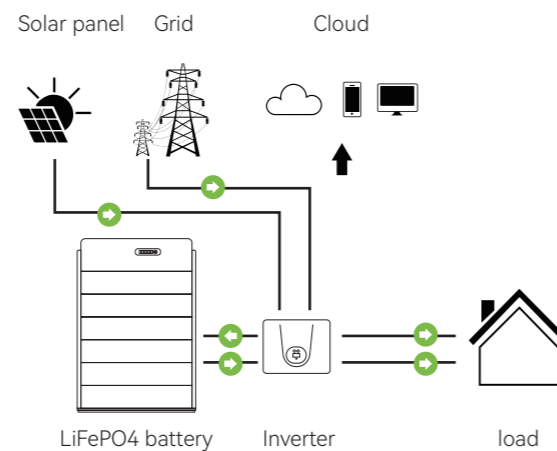


Real-Time Parameter Display



Long-lasting Battery Life

Application



Battery Specifications

Battery Specifications	SH2560NU1 Battery								
	SH25602U1	SH25603U1	SH25604U1	SH25605U1	SH25606U1	SH25607U1	SH25608U1	SH25609U1	SH25610U1
Battery Basic Parameters									
Single Module Nominal Voltage (V)	51.2								
Single Module Nominal Capacity (Ah)	50								
Single Module Single Module Nominal Energy (Wh)	2560								
Single Module Configurations of Cells	16S1P								
Quantity of Modules (Unit)	2	3	4	5	6	7	8	9	10
Battery Nominal Voltage (V)	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
Battery Nominal Capacity (Ah)	50	50	50	50	50	50	50	50	50
Battery Nominal Energy (Wh)	5120	7680	10240	12800	15360	17920	20480	23040	25600
Battery Configurations of Cells	32S1P	48S1P	64S1P	80S1P	96S1P	112S1P	128S1P	144S1P	160S1P
Battery Dimension(mm)	L851*W255*H358	L851*W255*H488	L851*W255*H618	L851*W255*H748	L851*W255*H878	L851*W255*H1008	L851*W255*H1138	L851*W255*H1268	L851*W255*H1398
Weight (kg)	72±2	104±2	136±2	168±2	200±2	232±2	264±2	296±2	328±2

PowerHub

All-in-one ESS

LiFePO4 Prismatic Cells



Built-in Inverter Module Specifications

Built-in Inverter Module Specifications	Built-in Inverter Modules for SL5120NU1 Battery						
	SL5120NU1-030S	SL5120NU1-036S	SL5120NU1-040S	SL5120NU1-046S	SL5120NU1-050S	SL5120NU1-060S	SL5120NU1-080S
Rated Battery Voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Max. Charge/Discharge Current	95A/63A	95A/75A	95A/84A	95A/96A	105A/105A	110A/110A	160AA/160A
Max. Input Power	4500W	5400W	6000W	6900W	7500W	9000W	12000W
No. of MPP Trackers	2						
No. of String per MPP Tracker	1/1	1/1	1/1	1/1	1/1	1/1	2/1
Max. Input Current	14A/14A	14A/14A	14A/14A	14A/14A	14A/14A	14A/14A	30A/15A
Rated Output Power for On-grid and Off-grid	3000W	3600W	4000W	4600W	5000W	6000W	8000W
Max. AC Output Current for On-grid and Off-grid	13A	16A	17.4A	20A	21.7A	26A	35A
Rated Output Voltage	L/N/PE, 220V, 230V						
Rated Frequency	50/60Hz						
Max. Efficiency	97.6%						
Weight	34kg						
Dimension(mm)	L675*W200*H415						

Battery Specifications

Battery Specifications	SL5120NU1 Battery					
	SL51201U1	SL51202U1	SL51203U1	SL51204U1	SL51205U1	SL51206U1
Battery Basic Parameters						
Single Module Nominal Voltage (V)	51.2					
Single Module Nominal Capacity (Ah)	100					
Single Module Single Module Nominal Energy (Wh)	5120					
Single Module Configurations of Cells	16S1P					
System Structure						
Quantity of Modules (Unit)	1	2	3	4	5	6
Battery Nominal Voltage (V)	51.2	51.2	51.2	51.2	51.2	51.2
Battery Nominal Capacity (Ah)	100	200	300	400	500	600
Battery Nominal Energy (Wh)	5120	10240	15360	20480	25600	30720
Battery Configurations of Cells	16S1P	16S2P	16S3P	16S4P	16S5P	16S6P
Physical Parameter						
System Dimension of Master Stack(mm)	L675*W200*H840	L620*W363*H1205	L620*W363*H1570	L620*W363*H1935	L620*W363*H1570	L620*W363*H1570
System Dimension of Slave Stack(mm)	None	None	None	None	L620*W363*H985	L620*W363*H1350
System Weight of Master Stack (kg)	93±2	147±2	201±2	255±2	201±2	201±2
System Weight of Slave Stack (kg)	None	None	None	None	124±2	178±2

Features



Easy Installation



Modular Stackable



Charging Gun for Added Convenience



All-in-one System with Built-in Inverter

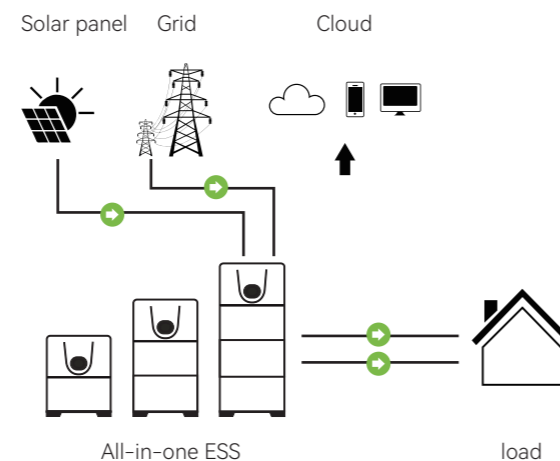


Real-Time Parameter Display



Long-lasting Battery Life

Application



PowerCube

Out-door Cabinet BESS

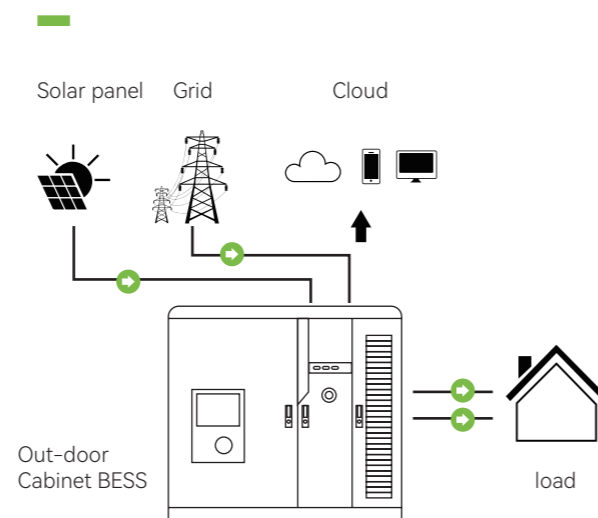
LiFePO4 Prismatic Cells



Features

- Automatic Fire Fighting System
- Intelligent Temperature Control
- Four-layers Safety Protection
- Real-time Data Backup
- Easy Installation
- Long-lasting Battery Life

Application



60KWh-215KWh Basic Parameters

Specifications	PowerCube030W1	PowerCube060W1	PowerCube100W1
Battery Parameters			
Cell Type		LFP-280Ah	
Battery Module Configurations of Cells		20S1P	
Battery Nominal Energy	60kWh~215kWh	120kWh~215kWh	200kWh~215kWh
System Configurations of Cells		240S1P	
Battery Voltage Range		672V~864V	
AC On-grid Parameters			
Grid Type		3P3W+PE	
Rated Charge/Discharge Power	30kW	60kW	100kW
Rated Grid Voltage		AC 400V	
Grid Voltage Range		-15%~+15%	
Rated Grid Frequency		50Hz±5Hz	
Rated Current	43A	86A	172A
Power Factor		0.8 (Leading) ~0.8 (Lagging)	
Output Harmonics (Rated power)		≤ 3%	
General Parameters			
System Dimension		L1900mm*W2100mm*H1330mm	
Weight		2500kg	
Ingress Protection Rating		IP55 (Battery Room) IP34 (Electrical Room)	
Seismic Intensity Rating		8 Degree (IEC60980)	
Anti-corrosion Grade		C3	
Operating Temperature Range		-20°C ~50°C	
Humidity of Working Environment Range		0~95% (Non-condensing)	
Working Altitude Range(m)		≤ 2000	
Battery Room Cooling		Air Conditioning	
Electrical Room Cooling		Natural Cooling	
Noise		≤ 75dB	
Fire Fighting System		Automatic Fire Extinguishing	
Fire Extinguishing Media		FM200	
Communication Interface		RS485,Ethernet	
Communication Protocols		Modbus RTU,Modbus TCP/IP	
Photovoltaic Side Parameters (Optional)			
Maximum Input Module Power	30kW/60kW	30kW/60kW/120kW	30kW/60kW/120kW
MPPT Voltage Range		200V~850V	
Number of MPPT	1/1	1/1/2	1/1/2
Number of PV Input Channels	1/1	1/1/2	1/1/2
Maximum Input Current	100A/200A	100A/200A/400A	100A/200A/400A
Life and Warranty			
Cycle Life(Times)		>6000 (0.5C@25°C ,80%DOD)	
Design Life (Years)		10+	
Warranty (Years)		5	
Certification and Test Report			
Transportation Certification for Battery Module		UN38.3, MSDS	

PowerOptimus

Containerized BESS

LiFePO4 Prismatic Cells



Containerized BESS Basic Parameters

Specifications	PowerOptimus500W1
Battery Parameters	
Cell Type	LFP-220Ah
Battery Module Configurations of Cells	12S1P
Battery Nominal Energy	1216kWh
System Configurations of Cells	216S8P
Battery Voltage Range	604.8V~777.6V
AC On-grid Parameters	
Grid Type	3P3W+PE
Rated Charge/Discharge Power	500kW
Rated Grid Voltage	AC 400V
Rated Grid Frequency	50Hz±5Hz/60Hz±5Hz
Max. Output Current	720A
Power Factor	0.8~1 leading or lagging (Load-depend)
THD	≤ 3%
Overload Capacity	110%, 10 mins; 120%, 60s
General Parameters	
System Dimension	L7458mm*W2438mm*H2640mm
Weight	23000kg
Isolation Transformer	None
Ingress Protection Rating	Battery Room: IP54, PCS Room: IP34
Anti-corrosion Grade	C3
Operating Temperature Range	-20°C ~55°C
Humidity of Working Environment Range	0~95% (Non-condensing)
Working Altitude Range(m)	≤ 2000
Battery Room Cooling	HVAC
PCS Room Cooling	Natural Cooling
Noise	≤ 75dB
System Efficiency	≥ 88%
Fire Fighting Design	FAS & FM200
Communication Interface	Ethernet
Communication Protocols	Modbus TCP/IP
Design Standard	G99,IEC 62933,IEC62619,GB_T36558
Life and Warranty	
Cycle Life(Times)	>6000 (0.5C@25°C ,80%DOD)
Design Life (Years)	10+
Warranty (Years)	5
Certification and Test Report	
Transportation Certification for Battery Module	UN38.3, MSDS

Features

- Automatic Fire Fighting System
- Intelligent Temperature Control
- Four-layers Safety Protection
- Real-time Data Backup
- Easy Installation
- Long-lasting Battery Life

Application

