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Energy Storage Product Brochure

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Wuhan Shineming New Energy Technology

Company Profile

Wuhan Shineming New Energy Technology Co., Ltd. is a subsidiary of Wuhan Shengfan Electronics Co., Ltd. It carries the new energy strategic mission of Shengfan Group and relies on the group's deep technical accumulation in the power industry for more than 20 years. It focuses on the research and application of new energy storage technology and intelligent microgrid solutions. Since 2017, the company has been continuously cultivating the field of new energy, building a full value chain system covering technology research and development, intelligent manufacturing, system integration, and operational services. It is committed to providing global customers with efficient, safe, and intelligent overall solutions for new energy applications.

The company adheres to the core values of "fairness and impartiality, shared innovation, and craftsmanship", with the mission of "treating the environment well and making energy and resources more valuable". It adheres to the concept of technological innovation and sustainable development, builds a clean, low-carbon, safe, and efficient modern energy system, and is committed to becoming the most trusted smart microgrid service provider in the global energy transition.





Wuhan Shineming New Energy Technology Co., Ltd. has always been committed to innovative research and industrial application of new energy technology, gathering top talents in the industry, building a high-level R&D team, and achieving multiple technological breakthroughs from scratch in the field of photovoltaic energy storage integration, filling industry gaps. The product line covers energy storage battery systems, energy management platforms, intelligent microgrid control systems, energy storage inverters, solar photovoltaic modules, etc., widely used in household energy storage, large-scale ground power stations, railway infrastructure, emergency lighting, power communication, transportation and charging facilities and other fields.

The company's business has expanded to over 20 countries and regions worldwide, providing safe and reliable new energy solutions for high demand scenarios. With excellent product quality, innovative technical solutions, and professional service system, the company has set industry benchmarks in areas such as photovoltaic power generation and energy storage system integration, successfully achieving full scene energy coverage from home to industry.

Battery Series



Long Life



Easy Mounting



Space Saving



Home Appliance Style



- IP20/IP54
- All new grade A cell LFP battery
- 6000 times circle life
- Supports parallel use of ≤15 batteries
- High class of safety with built-in BMS protection

- SMP-AU004
- SMP-AU005
- SMP-AU006
- SMP-AU007

CE UL FC UN38.3 MSDS

Model	SMP-AU004	SMP-AU005	SMP-AU006	SMP-AU007
Battery				
Standard Voltage	51.2VDC			
Voltage Range	43.2~57.6VDC			
Norminal Capacity	100Ah	150Ah	200Ah	280Ah
Rated Energy	5.12kWh	7.68kWh	10.24kWh	14.336kWh
Communication	CAN / RS485 / RS232 / WIFI /Blue Tooth			
Cell Self-Discharge	<5 % / Month			
Modules Connection	1 ~ 15 in Parallel			
DOD	90%			
Cycle Life	≥6000 @ 25°C, 80% DOD			
Max Charge&Discharge Current	100A			200A
Ingress Protection	IP20(IP54)			
Installation	Wall			
Working Temperature	0~55°C			
Storage Temperature	-20~55°C			
Humidity	≤80%			
Product Dimenstion	426*590*160mm	705*530*247mm	576*820*200mm	530*800*267mm
Package Dimenstion	495*680*280mm	770*630*325mm	635*900*300mm	630*900*510mm
Net Weight	44kg	84kg	96kg	125kg

Battery Series



Long Life



Mobility



Space Saving



Home Appliance Style



- SMP-BU004
 - SMP-BU005
 - SMP-BU006
-
- All new grade A cell LFP battery
 - 6000 times circle life
 - Supports parallel use of ≤15 batteries
 - High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS

Model	SMP-BU004	SMP-BU005	SMP-BU006
Battery			
Standard Voltage	51.2VDC		
Voltage Range	43.2~57.6VDC		
Norminal Capacity	280Ah	300Ah	320Ah
Rated Energy	14.336kWh	15.36kWh	16.384kWh
Communication	CAN / RS485 / RS232 / WIFI / Blue Tooth		
Cell Self-Discharge	<5 % / Month		
Modules Connection	1 ~ 15 in Parallel		
DOD	90%		
Cycle Life	≥6000 @ 25°C, 80% DOD		
Max Charge&Discharge Current	200A		
Ingress Protection	IP20		
Installation	Floor Standing		
Working Temperature	0~55°C		
Storage Temperature	-20~55°C		
Humidity	≤80%		
Product Dimenstion	850*530*250mm		
Package Dimenstion	1000*630*470mm		
NetWeight	125kg	130kg	135kg

High Voltage Battery Series



Long Life



Mobility



Space Saving



Home Appliance Style

- SMP-CU001
- SMP-CU002
- All new grade A cell LFP battery
- 6000 times circle life
- Supports stacking 8 batteries or 6batteries
- High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-CU001	SMP-CU002
Battery		
Standard Voltage	51.2V	102.4V
Norminal Capacity	100Ah	50Ah
Rated Energy	5.12kWh	
Max Charge-Discharge Rate	1C/100A	1C/50A
Product Dimenstion	550*500*171mm	
Package Dimenstion	640*590*265mm	
Net Weight	43kg	
Cycle Life	≥6000 @ 25℃, 80% DOD	
Stacking Parameters		
Max Stacking Quantity	8 PCS	6 PCS
Standard Voltage	409.6V	614.4V
Working Voltage	345.6 ~ 460.8V	518.4 ~ 691.2V
Rated Energy	40.93kWh	30.72kWh
Total Product Dimenstion	550*500*1629mm	550*500*1287mm
Net Weight	360kg	263kg
General Parameters		
Ingress Protection	IP20	
Installation	Stacked	
Communication	CAN / RS485/WiFi(Optional)	
Working Temperature	0 ~ 55℃	
Storage Temperature	-20 ~ 55℃	
Humidity	≤80%	

All in one energy storage system Series


Intelligent


Mobility


Space Saving


Home Appliance Style

- SMP-DU001-1
 - SMP-DU001-2
 - SMP-DU001-3
 - SMP-DU001-4
 - SMP-DU001-5
-
- All new grade A cell LFP battery
 - 6000 times circle life
 - Supports stacking ≤15 batteries
 - High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-DU001-1	SMP-DU001-2	SMP-DU001-3	SMP-DU001-4	SMP-DU001-5
Battery					
Single Module Capacity	5.12kWh				
Module Number	1PCS	2PCS	3PCS	4PCS	5PCS
Total Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh
Standard Voltage	51.2V				
Working Voltage Range	43.2V~57.6V				
Standard discharge Current	100A				
Standard Charge Current	50A				
DOD	90%				
Installation	Stacked				
Product Dimenstion(Module)	550*500*185mm				
Package Dimenstion(Module)	640*590*265mm				
Net Weight(Module)	43kg				
PV Input					
Voltage	500VDC				
Working Voltage Range	120~450VDC				
Input Power	5500W				
Max Input Current	22A				
AC Output/Input					
Max Charging Current	30A				
Rated Input Voltage	220/230VAC				
Rated Input Voltage Range	UPS:(170~280)VAC±2%, APL:(90~280)VAC±2%				
Frequency	50Hz / 60Hz				
Max Bypass Overload Current	30A				
Rated Output Voltage	230VAC				
Rated Output Power	5000W				
General Parameters					
Total Product Dimenstion	550*500*446mm	550*500*631mm	550*500*816mm	550*500*1001mm	550*500*1186mm
Ingress Protection	IP20				
Communication	CAN/RS485/RS232/WIFI (Optional)				
Working Temperature	0~55℃				
Storage Temperature	-20~55℃				
Humidity	≤80%				

All in one energy storage system Series


Intelligent


Mobility


Space Saving


Home Appliance Style

- SMP-DU002-2
 - SMP-DU002-3
 - SMP-DU002-4
 - SMP-DU002-5
-
- All new grade A cell LFP battery
 - 6000 times circle life
 - Supports stacking ≤15 batteries
 - High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-DU002-2		SMP-DU002-3		SMP-DU002-4	SMP-DU002-5
Battery						
Single Module Capacity	5.12kWh					
Module Number	2PCS	3PCS		4PCS	5PCS	
Total Energy	10.24kWh	15.36kWh		20.48kWh	25.6kWh	
Standard Voltage	51.2V					
Working Voltage Range	43.2V~57.6V					
Standard discharge Current	100A					
Standard Charge Current	50A					
DOD	90%					
Installation	Stacked					
Product Dimenstion(Module)	550*500*185mm					
Package Dimenstion(Module)	640*590*265mm					
Net Weight(Module)	43kg					
PV Input						
Voltage	500VDC					
Working Voltage Range	90~450VDC					
Input Power	PV1:5400W / PV2:5400W					
Max Input Current	PV1:18A / PV2:18A					
AC Output/Input						
Max Charging Current	50A					
Rated Input Voltage	220/230VAC					
Rated Input Voltage Range	170~280VAC					
Frequency	50Hz/60Hz					
Max Bypass Overload Current	50A					
Rated Output Voltage	230VAC					
Rated Output Power	10200W / 3400W(Battery mode)					
General Parameters						
Total Product Dimenstion	550*500*723mm	550*500*908mm		550*500*1093mm		550*500*1278mm
Ingress Protection	IP20					
Communication	CAN/RS485/RS232/WIFI (Optional)					
Working Temperature	0~55℃					
Storage Temperature	-20~55℃					
Humidity	≤80%					

All in one energy storage system Series



IP54



Intelligent



Space Saving



Home Appliance Style

- SMP-CU004-2
 - SMP-CU004-3
 - SMP-CU004-4
-
- IP54
 - All new grade A cell LFP battery
 - 6000 times circle life
 - On grid/Off grid
 - High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-CU004-2	SMP-CU004-3	SMP-CU004-4
Battery			
Single Module Capacity	5.12kWh		
Standard Voltage	102.4V		
Product Dimenstion	700*235*307mm		
Package Dimension	790*325*402mm		
Total Product Dimenstion	700*235*1470mm	700*235*1772mm	700*235*2075mm
Total Net Weight	132kg	177kg	222kg
Nominal Voltage	204.8V	307.2V	409.6V
Rated Energy	10.24kWh	15.36kWh	20.48kWh
Working Voltage	172.8 ~ 230.4V	259.2 ~ 345.5V	345.6 ~ 460.8V
Working Temperature	0 ~ 55°C		
Storage Temperature	-20 ~ 55°C		
Ingress Protection	IP54		
Cooling	Natural		
Communication	CAN/WIFI		
PV Input			
Max Power	15000W		
Max Voltage	1000VDC		
MPPT Voltage Range	200 ~ 850VDC		
Max Input Current/Per String	13A/13A		
AC Output/Input			
Nominal Power	10000W		
Max Output/Input Current	17A/25A		
Nominal Output/Input	50/60Hz;400/380VAC		

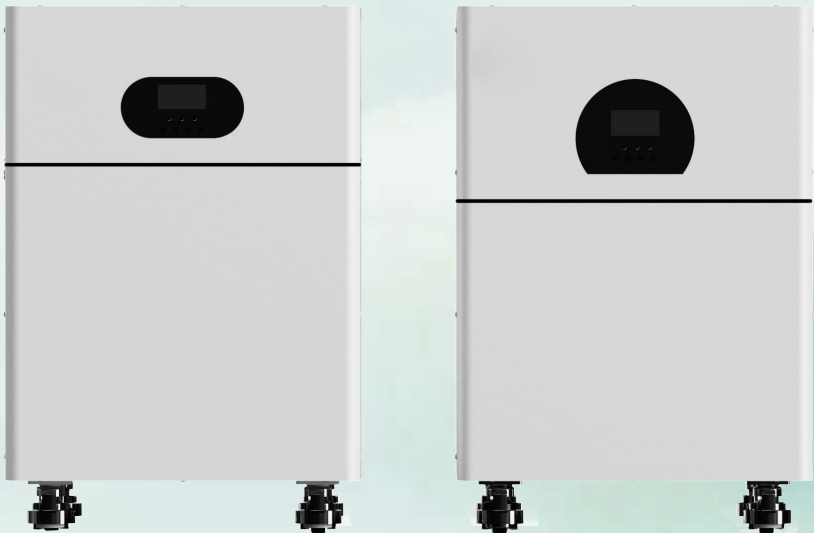
All In One System Series


Intelligent


Mobility


Space Saving


Home Appliance Style



- SMP-FU002
- All new grade A cell LFP battery
- 6000 times circle life
- portability
- High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS

Model	SMP-FU002
Battery	
Batter Type	25.6V100Ah
Rated Voltage	25.6V
Working Voltage Range	21.6V ~ 28.8V
Rated Energy	2.56kWh
PV Input	
Max PV OCV	160VDC
MPPT Voltage Range	30 ~ 128VDC
Max Input Power	1600W
Max Charge-Discharge Current	50A
AC Output/Input	
Output/Input Voltage	220 ~ 240VAC
Optional Voltage Range	170V ~ 280VAC(UPS)/90V ~ 280VAC(APL)/184V ~ 253VAC(VDE)
Input Current	14A
Output Current	17A(Term)/10A (Outlet)
Frequency	50Hz/60Hz(Self-adaption)
Rated Output Power	3000W
General Parameters	
Communication	RS485/WIFI
Working Altitude	≤2000m
Cooling	Built In Fan
Installation	Floor Standing
Ingress Protection	IP20
Cycle Life	≥6000 @ 25°C, 80% DOD
Working Temperature	0 ~ 55°C
Storage Temperature	-20 ~ 55°C
Humidity	≤80%
Product Dimenstion	450*671*330mm
Package Dimenstion	550*771*450mm
Net Weight	45kg

All In One System Series



Safe



Environmental
Friendly



Intelligent



Multi
Scenarios

· SMP-GU001

- All new grade A cell LFP battery
- 6000 times circle life
- Portable power supply
- High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-GU001
Battery	
Batter Type	25.6V100Ah
Rated Voltage	25.6V
Working Voltage Range	21.6V ~ 28.8V
Rated Energy	2.56kWh
PV Input	
Max PV OCV	160VDC
MPPT Voltage Range	30 ~ 128VDC
Max Input Power	1600W
Max Charge-Discharge Current	50A
AC Output/Input	
Output/Input Voltage	220 ~ 240VAC
Optional Voltage Range	170V ~ 280VAC(UPS)/90V ~ 280VAC(APL)/184V ~ 253VAC(VDE)
Input Current	14A
Output Current	17A(Term)/10A (Outlet)
Frequency	50Hz/60Hz(Self-adaption)
Rated Output Power	3000W
General Parameters	
Communication	RS485/WIFI
Working Altitude	≤2000m
Cooling	Built In Fan
Installation	Floor Standing
Ingress Protection	IP20
Cycle Life	≥6000 @ 25°C, 80% DOD
Working Temperature	0 ~ 55°C
Storage Temperature	-20 ~ 55°C
Humidity	≤80%
Product Dimenstion	466*390*422(990)mm
Package Dimenstion	565*460*510mm
Net Weight	35kg

Battery Series



Multi Scenarios



Long Life



Light Weight



IP65

- SMP-HU001
 - SMP-HU002
 - SMP-HU003
 - SMP-HU004
 - SMP-HU005
 - SMP-HU006
-
- IP65
 - All new grade A cell LFP battery
 - 6000 times circle life
 - Supports concatenation to 48/51.2v
 - High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-HU001	SMP-HU002	SMP-HU003	SMP-HU004	SMP-HU005	SMP-HU006
Battery						
Standard Voltage	12.8V				25.6V	48V
Norminal Capacity	50Ah	100Ah	150Ah	200Ah	100Ah	100Ah
Rated Energy	0.64kWh	1.28kWh	1.92kWh	2.56kWh	2.56kWh	4.8kWh
Charge-Discharge Current	25A	50A	50A	100A	50A	50A
Working Voltage Range	10 ~ 14.6V				20 ~ 29.2V	37.5 ~ 54.75V
Standard Voltage	12.8V				25.6V	48V
Max Charge Voltage	14.6V				29.2V	54.75V
Cycle Life	≥6000 @ 25°C, 80% DOD					
Product Dimenstion(mm)	330*172*216	330*172*216	532*207*215	532*207*215	345*190*245	520*267*220
Package Dimenstion(mm)	380*225*281	380*225*281	582*260*275	582*260*275	395*240*305	570*317*280
Net Weight	4.5kg	10kg	15kg	21kg	21kg	33kg
Working Temperature	0 ~ 50°C					
Storage Temperature	-20 ~ 55°C					
Humidity	≤80%					
Ingress Protection	IP65					

Battery Series



Long Life



Easy Mounting



Independent Maintenance



Good Heat Dissipation

- SMP-LU001
 - SMP-LU002
 - SMP-LU003
 - SMP-LU004
-
- All new grade A cell LFP battery
 - 6000 times circle life
 - Supports parallel use of ≤15 batteries
 - High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-LU001	SMP-LU002	SMP-LU003	SMP-LU004
Battery				
Standard Voltage	25.6VDC	51.2VDC		
Voltage Range	21.6~ 28.8VDC	43.2~ 57.6VDC		
Norminal Capacity	100Ah	100Ah	200Ah	280Ah
Rated Energy	2.56kWh	5.12kWh	10.24kWh	14.336kWh
Communication	CAN / RS485 / RS232 / WIFI / Blue Tooth			
Cell Self-Discharge	<5 % / Month			
Modules Connection	1 ~ 15 in Parallel			
DOD	90%			
Cycle Life	≥ 6000 @ 25℃ , 80% DOD			
Max Charge&Discharge Current	100A			200A
Ingress Protection	IP20			
Installation	Cabinet or Wall			
Working Temperature	0~55 ℃			
Storage Temperature	-20~55 ℃			
Humidity	≤ 80%			
Product Dimenstion	484*330*165mm	484*420*165mm	520*773*164.5mm	484*750*240mm
Package Dimenstion	545*430*285mm	545*510*300mm	900*620*385mm	547*875*450mm
Net Weight	24kg	41kg	85kg	106kg

High Voltage Battery Series



Safe



Easy
Mounting



Independent
Maintenance



Good Heat
Dissipation

- SMP-MU001
 - SMP-MU002
 - SMP-MU003
-
- All new grade A cell LFP battery
 - 6000 times circle life
 - This series has shelves to choose
 - High class of safety with built-in BMS protection

CE UL FC UN38.3 MSDS



Model	SMP-MU001		SMP-MU002		SMP-MU003
Battery					
Standard Voltage	51.2V		51.2V		102.4V
Norminal Capacity	100Ah		200Ah		50Ah
Rated Energy	5.12kWh		10.24kWh		5.12kWh
Max Charge-Discharge Rate	1C/100A		0.5C/100A		1C/50A
Product Dimenstion	421*480*165mm		773*560*165mm		421*480*180mm
Package Dimenstion	545*510*300mm		900*620*385mm		545*510*300mm
Net Weight	41kg		85kg		41kg
Cycle Life	≥6000 @ 25℃, 80% DOD				
Stacking Parameters					
Max Stacking Quantity	8 PCS	12 PCS	8 PCS	12 PCS	6 PCS
Standard Voltage	409.6V	614.4V	409.6V	614.4V	614.4V
Working Voltage	345.6 ~ 460.8V	518.4 ~ 691.2V	345.6 ~ 460.8V	518.4 ~ 691.2V	518.4 ~ 691.2V
Rated Energy	40.93kWh	61.44kWh	81.92kWh	122.88kWh	30.72kWh
Product Dimenstion of the Shelf	506*556*1835mm	506*556*2410mm	826*636*1723mm	826*636*2410mm	506*556*1835mm
Package Dimenstion of the Shelf	546*596*1875mm	546*596*2450mm	866*676*1763mm	866*676*2450mm	546*596*1875mm
Cabinet Weight	75kg	98kg	95kg	130kg	75kg
General Parameters					
Ingress Protection	IP20				
Installation	Cabinet				
Communication	CAN / RS485/WiFi(Optional)				
Working Temperature	0 ~ 55℃				
Storage Temperature	-20 ~ 55℃				
Humidity	≤80%				

Energy Storage Integrated Cabinet Series



Good Heat
Dissipation



Highly
Integrated



Cost
Effective



Interlligent

- SMP-NU001
- SMP-NU002

- IP54 Can be used outdoors
- All new grade A cell LFP battery
- 6000 times circle life
- On grid/Off grid

CE UL FC UN38.3 MSDS



Model	SMP-NU001	SMP-NU002
Battery		
Module Energy	10.24kWh	
Module Number	5PCS	6PCS
Rated Energy	51.2kWh	61.4kWh
Standard Voltage	512V	614.4V
Working Voltage Range	432~576V	518.4~691.2V
Humidity	≤80%	
Installation	Cabinet	
Communication	CAN/RS485/WIFI(Optional)	
Product Dimenstion(Module)	773*560*165mm	
Package Dimenstion(Module)	900*620*385mm	
Net Weight(Module)	85kg	
PV Input		
Max OCV	1000VDC	
Starting Voltage	180VDC	
MPPT Voltage Range	150~850VDC	
Input Current	26+26A	36+36+36A
Max Input Current	39+39A	55+55+55A
Input Power	26000W	39000W
AC Output/Input		
Rated Output/Input Current	30A	45A
Rated Output/Input Voltage	220/380,230/400VAC	
Frequency	50Hz/ 60Hz (Self-adaption)	
Rated Output Power	20000W	30000W
Type	3 Phases	
Max Bypass Overload Current	80A	200A
General Parameters		
Product Dimenstion of the Cabinet	1170*1031*1636mm	
Package Dimenstion of the Cabinet	1300*1160*1850mm	
Total Net Weight	805kg	942kg
Ingress Protection	IP54	
Working Temperature	0 ~ 55℃	
Storage Temperature	-20 ~ 55℃	
Cooling	Air-cooled/Natural	

Energy Storage Integrated Cabinet Series



Good heat
dissipation



Highly
Integrated



Cost
Effective



Interlligent

- SMP-NU003
- SMP-NU004

- IP54 Can be used outdoors
- All new grade A cell LFP battery
- 6000 times circle life
- On grid/Off grid
- Real-time remote monitoring
- High class of safety with built-in EMS protection

CE UL FC UN38.3 MSDS RoHS



Model		SMP-NU003	SMP-NU004
Battery			
Type		768V280Ah	832V280Ah
Rated Energy		215.04kWh	232kWh
Working Voltage Range		672~864V	728V~936V
BMS Communication		Ethernet/RS485/CAN	Ethernet/RS485/CAN
PCS			
AC Side	AC Rated Power	100kW	
	Max Power	100kW	
	Max Current	150A	
	Rated Voltage	380V	
	Rated Frequency	50/60Hz	
DC Side	Max Input Voltage	950V	936V
	Max Current	140A	
	Battery Voltage Range	650~950V	728~936V
MPPT			
Low Voltage Side	Rated Power	100kW	
	Max Current	320A	
	MPPT Voltage Range	200~650V(320~650V Fully loaded)	
High Voltage Side	Rated Power	100kW	
	Rated Current	100A	
	Voltage Range	350 ~ 1000V	
General Parameters			
Product Dimenstion of the Cabinet		1500*2306*1539mm	1350*2050*1350mm
Ingress Protection		IP54	
Working Temperature		-20 ~ 55℃	
Cooling		Air-cooled	liquid-cooled
Security Certification		CE/ UN38.3/ RoHS	
Net Weight		3500kg	2500kg