



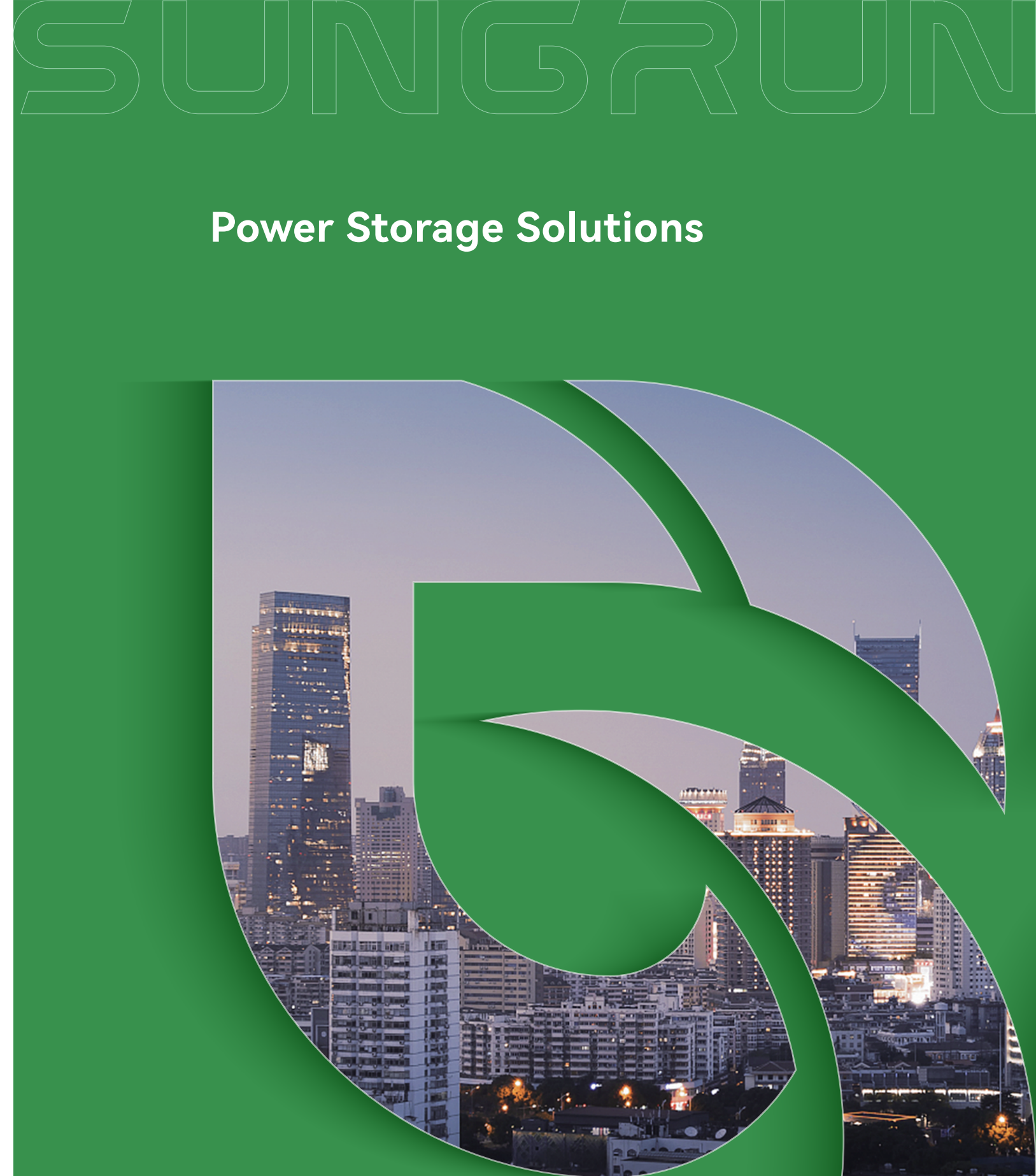
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Grunsolar Technology Co.,Ltd



ABOUT US

Company Introduction

Grunsolar is a new energy company integrating innovation, sustainability, and a global perspective. We are a consolidation of Grun Energy Holding Group and Grun Energy Green Building Technology Group, bringing together over 120 national patents and more than 15 years of deep experience in green building, photovoltaic system technology, and energy storage solutions. As one of the leaders in China's photovoltaic industry, our mission is to drive global energy transformation and provide efficient and reliable renewable energy products and services. Headquartered in China, we have project experience in more than 30 countries worldwide and local support teams in Europe, North America, and Southeast Asia. Our aim is to serve the global market through localized production and a global supply chain, helping customers achieve their carbon reduction goals. The newly integrated entity has a capital of over 500 million RMB and an annual production capacity covering four core business segments (Building Integrated Photovoltaics (BIPV) and innovative applications, portable energy systems, energy storage systems, and photovoltaic power plant construction), committed to becoming a "global partner for innovative green energy solutions."

120+
National Patent

15
Years

30
Countries

Company History

2009

The predecessor of Grunsolar was established.

2011

Focusing on the R&D and engineering application of Building Integrated Photovoltaics (BIPV) technology, continuously advancing the layout of core patents, and gradually improving the R&D system.

2013

Established the first comprehensive production base in cooperation, achieving independent manufacturing of photovoltaic modules and building energy-saving products.

2017

The energy storage system business segment was officially commercialized, providing one-stop solutions for industrial, commercial, and residential scenarios.

2018

The first overseas project in Southeast Asia was completed and delivered in its entire lifecycle.

2019

Global project coverage exceeded 20 countries, forming a global operating model of "headquarters R&D and production + overseas local services".

2024

The four core business segments are fully operating in synergy, and end-to-end service capabilities have been significantly improved.

2025

"Grunsolar" officially launched its global brand "SUNGRUN", achieving industry-leading annual production capacity and service delivery capabilities.

2026

In 2026, Grunsolar will strategically position itself as a "global partner for innovative green energy solutions," leveraging its complete industry chain advantages that integrate R&D, production, application, sales, installation, and operation and maintenance to continue to deepen its localized operations in Europe, North America, Southeast Asia, and other regions.

Two Core Business



Portable Energy System
Integrating clean energy technologies for outdoor activities to enhance energy self-sufficiency.



Energy Storage System
Covering energy storage needs from individuals to businesses and industries.

E3 Series

- E306
- E307
- E312
- E322

SR2000

- SR2000

SR5000

- SR5000
- SR5000 AC Pro

AR2000

- AR2000

P1-1200HMI

- P1-1200HMI

EZ2000

- EZ2000



E3 Series
E306(600W)



LiFePO₄ Battery

Multiple Charging Methods

Fast Charging(0%-100% in 2 hours)

Simple and Portable Design



Multiple Protections

UPS Function

ECO Mode (Bypass Output*3)

Power Boost Function

Specification	E306
Battery Capacity	384Wh
Inverter	Bidirectional pure sine wave 600W inverter
Battery Power Range	SOC 0-100%
AC Charging Time	< 2h
PV Charging Time	< 2.5h
Cigarette Lighter Charging Time	< 5h
AC Charging Power	250W
PV Charging Power	200W
Cigarette Lighter Charging Power	100-110W
AC+DC Charging Power	450W
AC Input Voltage	100V ~240V
AC Input Frequency	50Hz/60Hz
AC Output Voltage	100V/120V/230V
AC Output Frequency	50Hz/60Hz
AC Output Power	600W (up to 900W after power boost)
USB-A1 Output	QC3.0 30W
USB-A2 Output	QC3.0 30W
USB-A3 Output	/
USB-A4 Output	/
USB-C1 Output	PD 100W
USB-C2 Output	PD 30W
Wireless Charging Output	Optional, 10W
LCD Display	Display parameters include SOC/power/time/fault/function
DC Output	12V = 10A 120W max
LED Light	SOS, lighting (3 brightness levels), alarm light
Cycle Life	3000次 SOH≥70%
Dimensions	292*208*175mm (11.54*8.19*6.89in)
Weight	≈5.6kg (12.35lbs)
Accessories	User manual/power cable
Certifications	CE/FCC/UN38.3
Charging Temperature	0°C~40°C (32°F~104°F)
Discharging Temperature	-10°C~40°C (14°F~104°F)
Storage Temperature	-20°C~45°C (-4°F~113°F)

E3 Series
E307(700W)



LiFePO₄ Battery

Multiple Charging Methods

Fast Charging(0%-100% in 2 hours)

Simple and Portable Design



Multiple Protections

UPS Function

ECO Mode (Bypass Output*3)

Power Boost Function

Specification	E307
Battery Capacity	576Wh
Inverter	Bidirectional pure sine wave 700W inverter
Battery Power Range	SOC 0-100%
AC Charging Time	< 2.8h
PV Charging Time	< 3.8h
Cigarette Lighter Charging Time	< 7.6h
AC Charging Power	250W
PV Charging Power	200W
Cigarette Lighter Charging Power	100-110W
AC+DC Charging Power	450W
AC Input Voltage	100V ~240V
AC Input Frequency	50Hz/60Hz
AC Output Voltage	100V/120V/230V
AC Output Frequency	50Hz/60Hz
AC Output Power	700W (up to 1050W after power boost)
USB-A1 Output	QC3.0 30W
USB-A2 Output	QC3.0 30W
USB-A3 Output	/
USB-A4 Output	/
USB-C1 Output	PD 100W
USB-C2 Output	PD 30W
Wireless Charging Output	Optional, 10W
LCD Display	Display parameters include SOC/power/time/fault/function
DC Output	12V = 10A 120W max
LED Light	SOS, lighting (3 brightness levels), alarm light
Cycle Life	3000次 SOH≥70%
Dimensions	292*208*175mm (11.54*8.19*6.89in)
Weight	≈6.7kg (14.77lbs)
Accessories	User manual/power cable
Certifications	CE/FCC/UN38.3
Charging Temperature	0°C~40°C (32°F~104°F)
Discharging Temperature	-10°C~40°C (14°F~104°F)
Storage Temperature	-20°C~45°C (-4°F~113°F)

E3 Series

E312(1200W)



LiFePO₄ Battery

Multiple Charging Methods

Fast Charging(0%-100% in 2 hours)

Simple and Portable Design



Multiple Protections

UPS Function

ECO Mode (Bypass Output*3)

Power Boost Function

Specification	E312
Battery Capacity	1008Wh
Inverter	Bidirectional pure sine wave 1200W inverter
Battery Power Range	SOC 0-100%
AC Charging Time	< 1.5h
PV Charging Time	< 3h
Cigarette Lighter Charging Time	< 12h
AC Charging Power	960W
PV Charging Power	600W
Cigarette Lighter Charging Power	90-100W
AC+DC Charging Power	1100W
AC Input Voltage	100V /120V/230V
AC Input Frequency	50Hz/60Hz
AC Output Voltage	100V/120V/230V
AC Output Frequency	50Hz/60Hz
AC Output Power	1200W (up to 1800W after power boost)
USB-A1 Output	QC3.0 30W
USB-A2 Output	QC3.0 30W
USB-A3 Output	/
USB-A4 Output	/
USB-C1 Output	PD 100W
USB-C2 Output	PD 30W
Wireless Charging Output	Optional, 10W
LCD Display	Display parameters include SOC/power/time/fault/function
DC Output	12V ≈ 10A 120W
LED Light	SOS, lighting (3 brightness levels), alarm light
Cycle Life	3000次 SOH≥70%
Dimensions	374*218*227mm (14.72*8.58*8.94in)
Weight	≈11.2kg (24.69lbs)
Accessories	User manual/power cable
Certifications	CE/FCC/UN38.3
Charging Temperature	0°C~40°C (32°F~104°F)
Discharging Temperature	-10°C~40°C (14°F~104°F)
Storage Temperature	-20°C~45°C (-4°F~113°F)

E3 Series
E322(2200W)



LiFePO₄ Battery

Multiple Charging Methods

Fast Charging(0%-100% in 2 hours)

Simple and Portable Design



Multiple Protections

UPS Function

ECO Mode (Bypass Output*3)

Power Boost Function

Specification	E322
Battery Capacity	2016Wh
Inverter	Bidirectional pure sine wave 2200W inverter
Battery Power Range	SOC 0-100%
AC Charging Time	< 2h
PV Charging Time	< 5h
Cigarette Lighter Charging Time	< 22h
AC Charging Power	1500W
PV Charging Power	450W
Cigarette Lighter Charging Power	90-100W
AC+DC Charging Power	1950W
AC Input Voltage	100V /120V/230V
AC Input Frequency	50Hz/60Hz
AC Output Voltage	100V/120V/230V
AC Output Frequency	50Hz/60Hz
AC Output Power	2200W (up to 2600W/2900W after power boost)
USB-A1 Output	QC3.0 18W
USB-A2 Output	QC3.0 18W
USB-A3 Output	QC3.0 18W
USB-A4 Output	QC3.0 18W
USB-C1 Output	PD 100W
USB-C2 Output	PD 1000W
Wireless Charging Output	Not Supported
LCD Display	Display parameters include SOC/power/time/fault/function
DC Output	13.6V/10A 136W
LED Light	SOS, lighting (3 brightness levels), alarm light
Cycle Life	≥3000cycles, SOH≥70%
Dimensions	423*300*278mm (16.65*11.81*12.48in)
Weight	≈21.4kg (47.2lbs)
Accessories	User manual/power cable
Certifications	CE/FCC/UN38.3
Charging Temperature	0°C~40°C (32°F~104°F)
Discharging Temperature	-10°C~40°C (14°F~104°F)
Storage Temperature	-20°C~45°C (-4°F~113°F)



SR2000

2.56KWh | 2.4KW AC IN&OUT | 2KW DUAL PV IN

Small capacity,high performance
No wiring required,delivering up to 10.5KW/10.24KWh powerful power output
Resistant to extreme temperatures,operating stably from -20°C to 60°C

Specification		SR2000
Battery	Rated Capacity(Ah)	50
	Rated Voltage(V)	51.2
	Rated Energy(Wh)	2560
	Battery Type	LiFePO ₄
	Operating Voltage Range(V)	44.8-58.4
	Max.Charging Current(A)	50
	Max.Discharge Current(A)	50
	Heating Film	Support
	Cycle Life	6000
Photovoltaic Input	Operating Voltage Range(Vdc)	10-100
	Max.Input Voltage(Vdc)	100
	Max.Input Current(A)	16*2
	Max.Input Power(W)	1000*2
AC Grid-Connected	Grid Type	Single-phase
	Rated Voltage(Vac)	230
	Rated AC Frequency(Hz)	50
	Max.Continuous Output Power(W)	2400
	Max.Continuous Output Current(A)	10.9
	Max.Continuous Input Power(W)	2400
	Max.Continuous Input Current(A)	10.9
Off-Grid AC Port	Grid Type	Single-phase
	Rated AC Voltage(Vac)	230
	Rated AC Frequency(Hz)	50
	Max.Continuous Output Power(W)	2400
	Max.Continuous Output Current(A)	10.9
Structural Information	Dimensions(mm)	446*180*568
	Weight(kg)	36±2
	IP Rating	IP65
Environmental Parameters	Operating Temperature(°C)	-20-60
	Relative Humidity	5 to 95% @ No Condensation
Altitude	Max.Operating Altitude(m)	2000
	Communication Interface	Wi-Fi,Bluetooth,RS485
	Authentication Certificate	CB、CE-LVD/EMC/RED、RoHS、WEEE、EN 50549-1/10、C10/11、VDE 4104、CEI 0-21、UN38.3

*The above data are based on test records in a controlled environment,and theactual usage depends on external environmental conditions.



SR5000

5.12KWh | 2.4KW AC IN&OUT | 2KW DUAL PV IN

Sufficient power capacity,always available
No wiring required,delivering up to 10.5KW/20.48KWh powerful power output
Resistant to extreme temperatures,operating stably from -20°C to 60°C

Specification		SR5000
Battery	Rated Capacity(Ah)	100
	Rated Voltage(V)	51.2
	Rated Energy(Wh)	5120
	Battery Type	LiFePO ₄
	Operating Voltage Range(V)	44.8-58.4
	Max.Charging Current(A)	60
	Max.Discharge Current(A)	60
	Heating Film	Support
	Cycle Life	6000
Photovoltaic Input	Operating Voltage Range(Vdc)	10-100
	Max.Input Voltage(Vdc)	100
	Max.Input Current(A)	16*2
	Max.Input Power(W)	1000*2
AC Grid-Connected	Grid Type	Single-phase
	Rated Voltage(Vac)	230
	Rated AC Frequency(Hz)	50
	Max.Continuous Output Power(W)	2400
	Max.Continuous Output Current(A)	10.9
	Max.Continuous Input Power(W)	2400
	Max.Continuous Input Current(A)	10.9
Off-Grid AC Port	Grid Type	Single-phase
	Rated AC Voltage(Vac)	230
	Rated AC Frequency(Hz)	50
	Max.Continuous Output Power(W)	2400
	Max.Continuous Output Current(A)	10.9
Structural Information	Dimensions(mm)	520*181*715
	Weight(kg)	59±2
	IP Rating	IP65
Environmental Parameters	Operating Temperature(°C)	-20-60
	Relative Humidity	5 to 95% @ No Condensation
Altitude	Max.Operating Altitude(m)	2000
	Communication Interface	Wi-Fi,Bluetooth,RS485
	Authentication Certificate	CB、CE-LVD/EMC/RED、RoHS、WEEE、EN 50549-1/10、C10/11、VDE 4104、CEI 0-21、UN38.3

*The above data are based on test records in a controlled environment,and theactual usage depends on external environmental conditions.

SR5000 AC Pro

5.12KWh | 2.5KW AC IN&OUT

Minimalist appearance,invisible design
Zero perceptible noise
No wiring required,delivering up to 10.5KW/30.72KWh powerful power output
Compatible with any photovoltaic system via AC coupling or connection to the back-up port



Specification		SR5000 AC Pro
Battery	Rated Capacity(Ah)	100
	Rated Voltage(V)	51.2
	Rated Energy(Wh)	5120
	Battery Type	LiFePO ₄
	Operating Voltage Range(V)	44.8-58.4
	Max.Charging Current(A)	60
	Max.Discharge Current(A)	60
	Cycle Life	6000
AC Grid-Connected	Grid Type	Single-phase
	Rated Voltage(Vac)	230
	Rated AC Frequency(Hz)	50
	Rated Output Power(W)	800(Default)/2,500(Max.)
	Rated Output Current(A)	3.48(Default)/10.87(Max.)
	Rated Input Power(W)	2500
	Rated Input Current(A)	10.87
Off-Grid AC Port	Grid Type	Single-phase
	Rated AC Voltage(Vac)	230
	Rated AC Frequency(Hz)	50
	Max.Continuous Output Power(W)	2500
	Max.Continuous Output Current(A)	10.87
Structural Information	Dimensions(mm)	503*176*615
	Weight(kg)	55±2
	IP Rating	IP65
Environmental Parameters	Operating Temperature(°C)	-20-60
	Relative Humidity	5 to 95% @ No Condensation
Altitude	Max.Operating Altitude(m)	2000
	Communication Interface	Wi-Fi,Bluetooth,RS485
	Authentication Certificate	EN 50549-1/10、C10/11、VDE 4105、IEC 62477、IEC62619、IEC/EN 61000、RoHS、REACH、WEEE、UN38.3

*The above data are based on test records in a controlled environment,and theactual usage depends on external environmental conditions.

AR2000

2.4KWh | 2.2KW AC IN&OUT



Specification		AR2000
Battery	Capacity(Wh)	2400
	Type	Lithium Iron Phosphate
Basic Information	Dimensions(mm)	390*230*375
	Weight(kg)	26.5
	Protection Level	IP20
	Cooling Method	Forced Air Cooling
	Communication	RS485,CAN,WiFi,BLE
	Cycle Life(25°C,80%EOL) >	> 3000
	Extension Pack	Supports
	App	Android,iOS
	Certification	RCM,CE,UN38.3,UL
Output	AC Output(×4)	230V ~ 10A,2200VA(rated),4000VA(peak)
	Cigarette Lighter Output(×1)	12V=10A
	USB-A Output(×2)	12V 2A/9V 2.5A/5V 3A,24W Max
	USB-C Output(×4)	20V 5A/20V 3A/15V 3A/12V 3A/9V 3A/5V 3A,105W Max
	Expansion Interface Output(×1)	48V 40A,2000W Max
	Wireless Charging Output(×1)	15W Max
Input	Solar Input	800W,12V ~ 60V 25A Max
	Car Charger Input	11V ~ 14V(12V Platform) 8A 2128V(24V Platform) 8A
	Expansion Interface Input	54V 30A
	AC Input	220V ~ 240V,1800VA Max
Environmental Parameters	Discharge Temperature(°C)	-20 ~ 40
	Charging Temperature(°C)	-20 ~ 40 *
	Storage And Transportation Temperature	Short Term:-20 ~ 40°C Long Term:20 ~ 30°C
	Relative Humidity	0-85%(No Condensation)
	Altitude	≤ 2000m

*When the temperature is lower than 5°C,the heating film will automatically trun on to ensure normal charging and discharging of the battery.

P1-1200HMI EZ2000

Modular Balcony ESS

Easy Installation

DIY-friendly, plug-and-play, portable

Fast ROI

Supports peak shaving, valley filling, and dynamic electricity pricing.

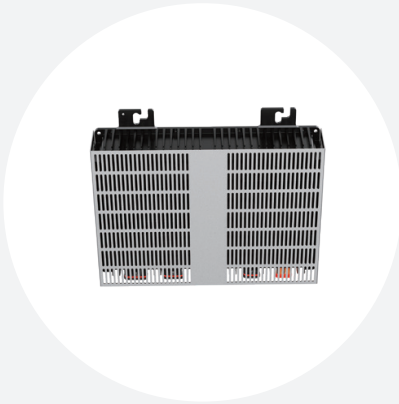
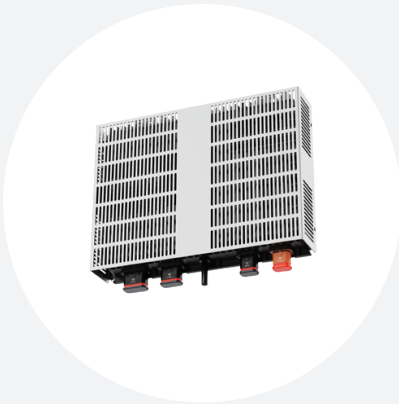
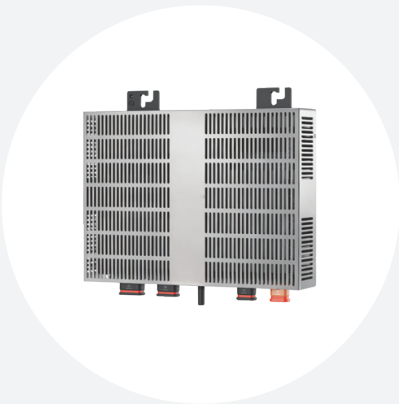
IP65 Rating

Suitable for outdoor use.

Modular design simplifies maintenance and service.



P1-1200HMI



Specification

Specification		Rated Output Power (W)		800(Default)/1200(Max)			
Rated Power (W)		2*600		AC Grid Frequency (Hz)		50/60	
Input Voltage Range (Vdc)		12 ~ 59		Rated Output Current (A)		3.5	
Battery Charging(DC)		Grid-Tie Input (AC)					
Rated Charging Voltage (V)		48		Rated Input Power (W)		800(Default)/1200(Max)	
Rated Charging Current (A)		16.67		Nominal AC Voltage (V)		230	
Rated Charging Power (W)		800		AC Grid Frequency (Hz)		50/60	
Battery Discharging(DC)		Bypass Output (Off-Grid Port)					
Nominal Input Voltage (V)		48		UPS (ms)		< 20	
Discharge Current (A)		Max35		Other			
Off-Grid Output(AC)(Optinoal)		IP Rating		IP65			
AC Nominal Power (W)		1200		Display		LED+APP(WiFi+Bluetooth)	
Nominal AC Voltage (V)		230		Operating Environment		0% ~ 100%	
AC Grid Frequency (Hz)		50/60		HumidityOperating Temperature (°C)		-40 ~ 50	
Rated Output Current (A)		5.5		Storage Temperature (°C)		-25 ~ 85	
(AC)Grid-Tie Output(AC)		Dimensions (mm)		324*285*63.5			
Output Voltage (V)		230		Weight (kg)		6	

EZ2000



Specification		EZ2000	
Battery	Rated Capacity(Ah)	50	
	Nominal Voltage (V)	48	
	Rated Capacity (Wh)	2400	
	Battery Type	LiFePO ₄	
	Operating Voltage Range(V)	43-54	
	Max. Continuous Charge Current (A)	50	
	Max. Continuous Discharge Current (A)	50	
	Low Temperature Heating Function	Support	
	Cycle Life	6000	
Structure	Dimensions (mm)	384*208*328	
	Weight (kg)	21	
	IP Rating	IP65	
Environmental Paremeters	Operating Temperature (°C)	-20 ~ 60	
	Relative Humidity	5 to 95% @ No Condensation	
	Altitude (m)	≤2000	
Communication	Communication Method	CAN、RS485	
Certification	Certification	RoHS2.0、CE、CB、EMC、UN38.3	

51.2V 200Ah

Low-voltage lithium battery storage

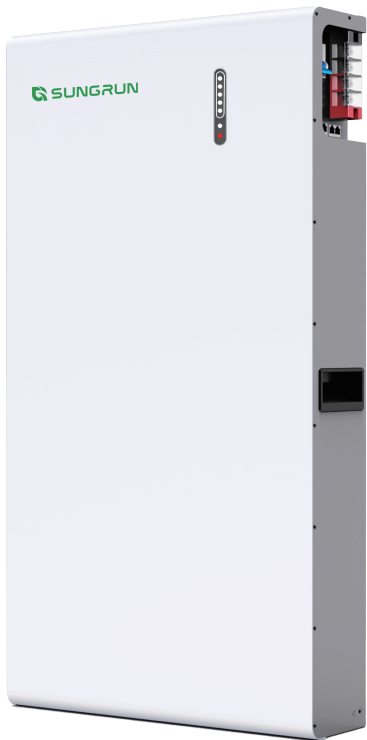
GRWL-10

Leading Technology

Comprehensive Smart System

Ultra Safety and Reliability

High Quality and Competitive Pricing



Electrical Performance Parameters			
Total Energy	10.24kWh	Parallel or Series Support	8Parallel
Dimensions(W*D*H)	510*135*843mm	Relative Humidity (RH)	0~95% (No condensed water)
Rated Capacity	200Ah	Cooling Type	Ambient cooling
Voltage Range	48~56Vdc	Case Material	Metal
Max. Discharge Power	10.0kW	Color	White
Nominal Voltage	51.2Vdc	Installation	Floor Standing
Operating Condition	Indoor	Communication	CAN/ RS485
Charge Operating Temperature	-10~70°C	Protection Mode	Triple Hardware Protection
Discharge Operating Temperature	-20~70°C	Battery Protection	Over-Current/Over-Voltage/Short Circuit/ Under-VoltageOver Temperature
IP Rating	IP20	Transport	UN38.3 (tested); UN3480 as applicable
Protective Class	I	Certificate	CE/CB

51.2V 314Ah

Low-voltage lithium battery storage

GRWL-16

Leading Technology

Comprehensive Smart System

Enhanced Safety & Reliability

High Quality and Competitive Pricing



Electrical Performance Parameters			
Total Energy	16.08kWh	Parallel or Series Support	8Parallel
Dimensions(W*D*H)	564*157*954mm	Relative Humidity (RH)	0~95% (No condensed water)
Rated Capacity	314Ah	Cooling Type	Ambient cooling
Voltage Range	48~56Vdc	Case Material	Metal
Max. Discharge Power	10.0kW	Color	White
Nominal Voltage	51.2Vdc	Installation	Floor Standing
Operating Condition	Indoor	Communication	CAN/ RS485
Charge Operating Temperature	-10~70°C	Protection Mode	Triple Hardware Protection
Discharge Operating Temperature	-20~70°C	Battery Protection	Over-Current/Over-Voltage/Short Circuit/ Under-VoltageOver Temperature
IP Rating	IP20	Transport	UN38.3 (tested); UN3480 as applicable
Protective Class	I	Certificate	CE/CB

51.2V 314Ah

Low-voltage lithium battery storage

GRWL-16L

Outdoor-Grade Protection

AI-Enhanced Performance & Safety

Long Lifespan & Solid Warranty

Ultra-Slim & Space-Saving

Intuitive User Experience

Scalable & Compatible



51.2V 330Ah

Low-voltage lithium battery storage

GR-17H

Efficient and Flexible

Excellent Quality

Safe and Secure

Efficient Management



Series effect diagram

Electrical Performance Parameters			
Total Energy	16.08kWh	Parallel or Series Support	8Parallel
Dimensions(W*D*H)	564*156*960mm	Relative Humidity (RH)	0~95% (No condensed water)
Rated Capacity	200 Ah	Cooling Type	Ambient cooling
Voltage Range	48~56Vdc	Case Material	Metal
Max. Discharge Power	10.0kW	Color	White
Nominal Voltage	51.2Vdc	Installation	Floor Standing
Operating Condition	Indoor	Communication	CAN/ RS485
Charge Operating Temperature	-10~70°C	Protection Mode	Triple Hardware Protection
Discharge Operating Temperature	-20~70°C	Battery Protection	Over-Current/Over-Voltage/Short Circuit/ Under-VoltageOver Temperature
IP Rating	IP65	Transport	UN38.3 (tested); UN3480 as applicable
Protective Class	I	Certificate	CE/CB

Electrical Performance Parameters			
Total Energy	16.89kWh	Parallel or Series Support	10 in Parallel or Series
Dimensions(W*D*H)	450*234*674mm	Relative Humidity (RH)	0~95% (No condensed water)
Rated Capacity	330Ah	Cooling Type	Ambient cooling
Voltage Range	48~56Vdc	Case Material	Metal
Max. Discharge Power	10.0kW	Color	White
Nominal Voltage	51.2Vdc	Installation	Floor Standing & Stack
Operating Condition	Indoor	Communication	CAN/ RS485
Charge Operating Temperature	-10~70°C	Protection Mode	Triple Hardware Protection
Discharge Operating Temperature	-20~70°C	Battery Protection	Over-Current/Over-Voltage/Short Circuit/ Under-VoltageOver Temperature
IP Rating	IP20	Transport	UN38.3 (tested); UN3480 as applicable
Protective Class	I	Certificate	/

51.2V 200Ah

Residential/Small C&I ESS

GRXH

Leading Technology

Convenient installation

Flexible configuration System

Local Service Support



Electrical Performance Parameters	GRXH-20	GRXH-30	GRXH-40	GRXH-50	GRXH-60	GRXH-70
Stacked PDU						
Models	GR - PDU 1000-100 -GR					
Communication Method	CAN / RS 485/ Wi-Fi					
Installation Method	Racks					
Humidity	0- 95% RH (non-condensing)					
Altitude	≤3500 m					
Nominal Voltage	1000Vdc					
Nominal Current	100 A (Charge & Discharge Rate of 1C)					
Size (Wx Dx H)	442 x 450 x 133 mm					
Rack Batteries						
Battery Type	LFP (LiFePO4)					
Model	GR-PA102-100-GR					
Capacity	20.48 kWh	30.72 kWh	40.96 kWh	51.20 kWh	61.44 kWh	71.68 kWh
Battery Voltage (PACK 102.4V)	204.8 V	307.2V	409.6 V	512.0 V	614.4 V	716.8 V
Capacity	100Ah					
Electrical Parameters						
Voltage Range	173~230 V	259~346 V	346~461 V	432~576 V	518~691 V	605~806 V
Max. Charging Current	100A					
Max. Discharge Current	100A					
Other Parameters						
Size (W x Dx H)	630x448x650mm	630x448x878mm	630x448x1106mm	630x448x1334mm	630x448x1562mm	630x448x1790mm
Communication Method	CAN/RS485					
Charge Operating Temperature	0~45°C					
Discharge Operating Temperature	-10~55°C					
Humidity	0-95% RH (non-condensing)					
Altitude	≤3500 m					
Installation Method	Racks & Cabinet					
Warranty & Cycle Life	10-year warranty; 8,000-cycle design life (conditions apply). (@ 25 2°C, 0.5C /0.5C, 80% DoD)					
Iransport	UN38.3 (tested); UN3480 as applicable					
Certificates	CE (model-dependent)					

4 kWh

Power Stream

GRPS-4

- 3 kVA Pure Sine Wave, 4 kWh LFP Storage
- Real Backup for Home & Small Business
- Solar + Grid /Generator Charging
- Safe, Long - Life LiFePO4 with Smart BMS
- Clean, Silent Alternative to 3 kVA Generators
- Ideal for upgrading existing 220 - 230 V acinstallations



8 kWh

Power Stream

GRPS-8

- Safety
- Ease of Use
- Runtime
- Service & Warranty



Electrical Performance Parameters		
Product Information	Product Capacity	4 kWh (12.8V 314Ah)
	Certified	CE/RoHS/SAA/FCC/PSE
	Product Size	620*420*200 mm
	Conversion Efficiency	≥90%
	Design Cycle Life	8000 cycles
	Material	SPCC
AC Output	Rated Output Power	3kVA/3kW, single-phase
	Nominal Output Voltage	230 Vac
	Nominal Output Current	13 A
AC Input	Rated Input Voltage	230 Vac
	Max. AC Input Current	15 A
	Max. AC Charging Power	3000 W
Battery Information	Battery Type	Lithium iron phosphate
	Communication Ports	RS-485 (upper computer /BMS),optional Wi-Fimodule
	Operating Temperature	-10~50℃
	Relative Humidity	0-90% RH, non-condensing

Electrical Performance Parameters		
Product Information	Product Capacity	8 kWh (25.6V 314Ah)
	Certified	CE/RoHS/SAA/FCC/PSE
	Product Size	800x 550 x 180 mm
	Conversion Efficiency	≥98%
	Design Cycle Life	8000 cycles
	Material	SPCC
AC Output	Rated Output Power	4kVA/4kW, single-phase
	Nominal Output Voltage	220/230/240 Vac
	Nominal Output Current	17.4 A
AC Input	Rated Input Voltage	220/230/240 Vac
	Max. AC Input Current	20 A
	Max. AC Charging Power	3000 W
Battery Information	Battery Type	Lithium iron phosphate
	Communication Ports	RS-485 (upper computer /BMS),optional Wi-Fimodule
	Operating Temperature	-10~50℃
	Relative Humidity	0-90% RH, non-condensing

261kWh

C&I ESS

GR125H2-PV-ST5

High Power · High Energy Density

PV-Storage Integration · Dual MPPT

Uninterrupted · Highly Reliable Power Supply

Intelligent Management · Cloud Collaboration

Safety First · Liquid Cooling Protection

Outdoor-Rated Design · Global Compatibility



Electrical Performance Parameters		
DC parameters	battery capacity	261 kWh
	Cell Capacity	314 Ah (LFP)
	Battery PACK	1P260S
	rated voltage	832 Vdc
	DC Voltage Range	728Vdc ~949 Vdc
	Charge/discharge ratio	0.5P
AC parameters	rating	125 kW
	rated voltage	400V
	access method	3P4 W + PE
	rated frequency	50/60Hz
	power factor	>0.99~1 (ahead)~+1 (behind)
	THDi	< 3% (rated power)
	Grid-connected and off-gridswitching time	s20ms
protective function	ESS side	Disconnecting switch + fuse
	fire-fighting	Aerosol
environmental conditions	operating temperature	-30°C to +50°C (derating above +45°C)
	height above sea level	≤2000m
	relative humidity	0 – 95% (no condensation)
	weights	-2.6T (125KH2-ST5)
physical property	Dimensions (W x D x H)	1010mm x1350mm x2450mm
	Anti-corrosion grade	C4 perISO12944-2(orequivalent)coating system;verify with coating specsheet
	protection class	IP54
other than	Heat dissipation method	liquid cooling
	communication interface	CAN/Ethernet/485