Specialist in the R&D and Manufacturing of Energy Storage Inverters

SOSEN

Shenzhen Sosen Innovation Technology Co., Ltd.

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Stock Code:301002.SZ

Your Trusted Inverter Partner

SOSEN INNOVATION

CONTENTS

COMPANY PROFILE

ABOUT SOSEN INNOVATION

Shenzhen SOSEN Innovation Technology Co., Ltd is a wholly-owned subsidiary of SOSEN GROUP which was founded in 2011 and listed in 2017.

We specialized in residential energy storage inverters with power range from **1.2kW-20kW**, commercial & industrial energy storage inverters **20kW-235kW**.

CORE INDUSTRY BASE

Shenzhen

Headquarter / R&D Center

Zhongshan

Factory

2011
SOSEN Founded

60%+
R&D Staff

10+ years
Manufacturing Experience

25%+
R&D Investment

30%+
Master Degree

70,000m²
Production Area

OEM&ODM
Available

MILESTONES

Thirteen years of relentless progress embody our company's dedication to action.

2011
SOSEN was founded, started the business of LED driver, and explored the overseas market.

2013
Established R&D center and factory.

2017
Successfully listed on NEEQ (Stock code:871785)

2019
Expanded the factory, and improved production capacity.

2021
Listed on Shenzhen stock market (stock code:301002)

2022
Set up the subsidiary SOSEN INNOVATION, started the business of energy storage products.

2022
Built a new R&D and production base in Zhongshan, 70,000m².

2024
Globalization

COMPANY CERTIFICATES

A Decade of Dependability: Trust in our inverters' 10-year warranty, a testament to our relentless pursuit of excellence in both product quality and customer service.

After accumulating numerous prestigious awards and gaining 13 years of experience, we proudly showcase our company's formidable strength and unwavering commitment to unparalleled quality.

AUTOMATED PRODUCTION EQUIPMENTS

Conformal Coating Machine

ATE

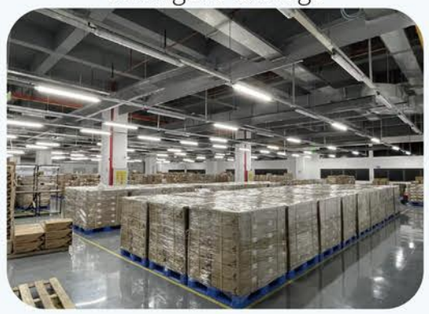
SMT

Automatic Insertion

Automatic Aging

Intelligent Storage

Intelligent Warehouse



Packing

WORLD-CLASS COMPONENTS SUPPLIERS

Diode

FAIRCHILD SEMICONDUCTOR

Microsemi

IC

Texas Instruments

ON Semiconductor

UTC

MCU

Texas Instruments

GigaDevice

life.augmented

Capacity & Relay

nichicon

HF

TE connectivity

Current Transducer

LEM

crosschip MicroSystems,Inc.

CHCS® Transducer

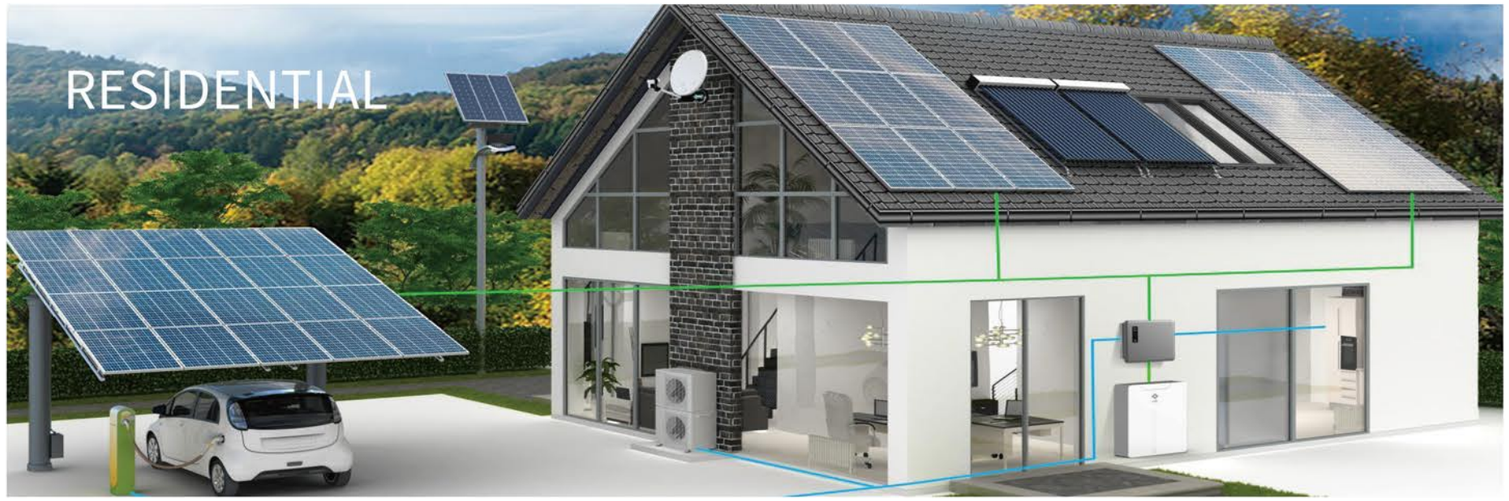
MOS IGBT

FAIRCHILD SEMICONDUCTOR

ON Semiconductor

Infineon technologies

IOR



OUR CORE PRODUCT

RESIDENTIAL INVERTER

SSA-HL1K2~5K-P1EU
SSA-HL5K~P1US
SSE-HL3K~8K-P1EU
SSE-HH3K~6K-P1-EU
SSE-HH8K~12K-P3EU
SSE-HL8K~15K-P2US

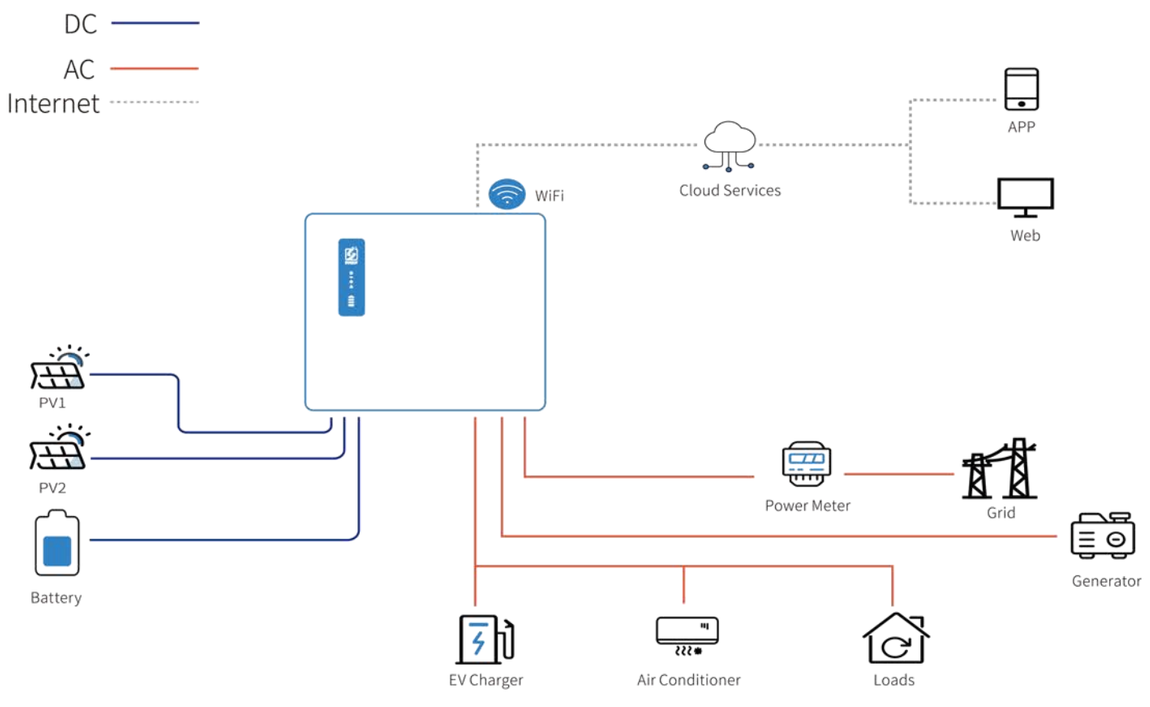
C&I INVERTER

SSE-HH20K~30K-P3EU
SSE-HH40K~60K-P3EU
SSE-HH100K~125K-P3EU
SSE-BH100K~125K-P3EU
SSE-HH200K~235K-P3EU

PORTABLE POWER STATION

PE-700
PE-1000
PE-1200

Residential Energy Storage Solution



Sosen energy storage inverters are dedicated to bringing clean energy to thousands of households and achieving the goal of a zero-carbon life.

Project Cases

Spain - Bilbao Project

Australia - Redhill Aouth Project

Features

- Intelligent energy management
- Natural convection heat dissipation
- High efficiency
- Wide range of battery voltage
- High speed on/off grid switching
- No fan, low noise
- Compatible with on grid and off grid
- Multiple operating modes
- High sealed design With IP65

Easy to install, smart setting through LCD

A variety of intelligent working modes

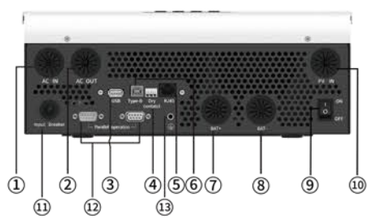
Remote monitoring via APP or Web

Support BMS communication

Support parallel operation up to 6 units

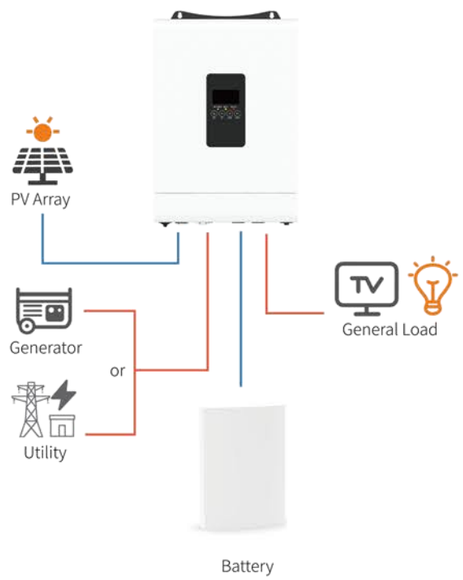
Can work without battery

Port Description

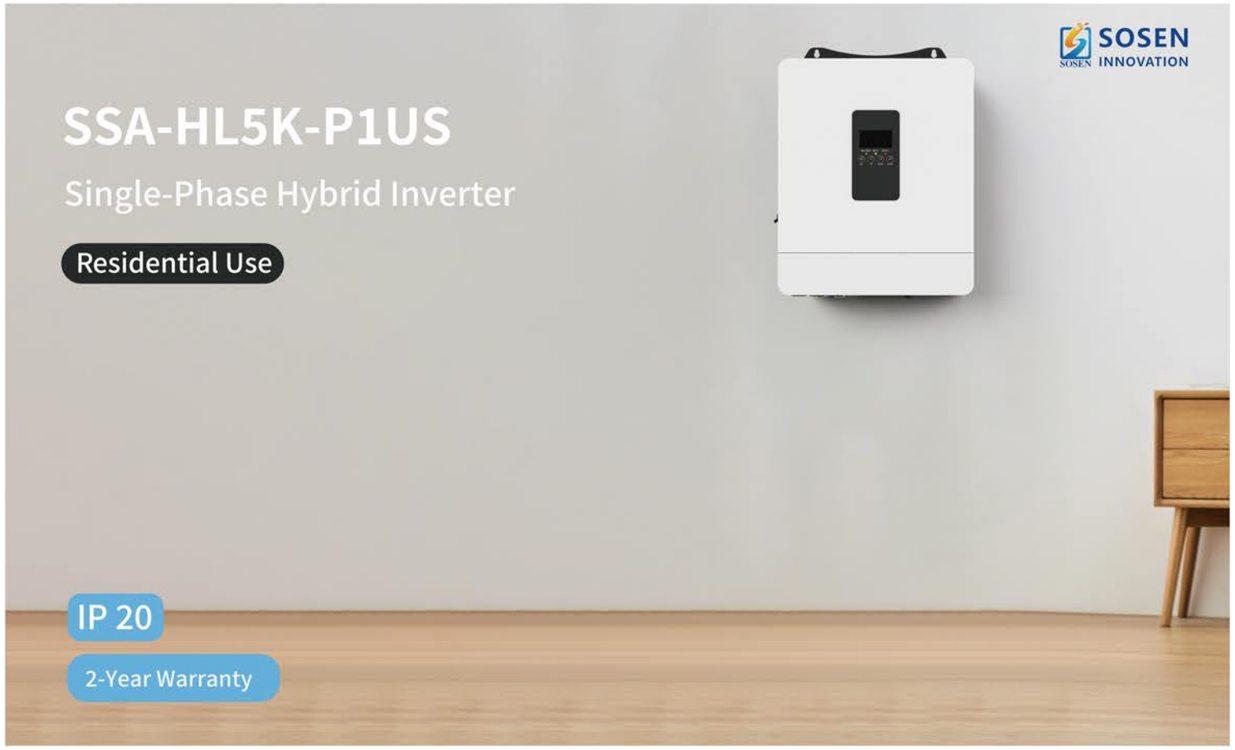


1.AC IN
2.AC OUT
3.USB
4.Dry Contact
5.BMS
6.Type-B
7.BAT+
8.BAT-
9.ON/OFF
10.PV IN
11.Input Breaker
12.Parallel operation
13.PE

Product Application Diagram



TECHNICAL SPECIFICATION			
Model	SSA-HL1K2-P1EU	SSA-HL3K6-P1EU	SSA-HL5K-P1EU
AC INPUT			
Rated Voltage	208/220/230/240 V a.c.,L+N+PE		
Rated Frequency	50 Hz / 60 Hz		
Current (Maximum Continuous)	10 A a.c.	20 A a.c.	40 A a.c.
INVERTER OUTPUT			
Rated Power	1.2 kW	3.6 kW	5 kW
Rated Voltage	208/220/230/240 V a.c.,L+N+PE		
Power Factor	1		
Wave Form	Pure Sine Wave		
Switch Time	<10 ms (Typical)		
Inverter Efficiency (Peak)	90.5% @12 V d.c.	>92%	>94%
Current (Maximum Continuous)	10 A a.c.	15.6 A a.c.	22.7 A a.c.
Maximum Output Overcurrent Protection	102% ~ 110% 1min / 110% ~ 130% 10s / 130% ~ 150% 3s / 150% 0.2s		
BATTERY			
Battery Type	Lithium / Lead-acid		
Rated Battery Voltage	12 V d.c.	24 V d.c.	48 V d.c.
Battery Voltage Range	10.8-15 V d.c.	21 ~ 30.2 V d.c.	42 ~ 60 V d.c.
Max. Charge Current	120 A d.c.	100 A d.c.	80 A d.c.
PV INPUT			
No. of MPPT Tracker / Strings	1 / 1		
Max. PV Array Power	1 kW	5 kW	6 kW
Max. DC Voltage	125 V d.c.	500 V d.c.	500 V d.c.
MPPT Voltage Range	20~100 V d.c.	40 ~ 450 V d.c.	120 ~ 430 V d.c.
Start-up Voltage	20 V d.c.	60 V d.c.	120 V d.c.
MPPT Maximum Charge Current	60 A d.c.	100 A d.c.	80 A d.c.
Max. Input Current	14 A d.c.	18 A d.c.	18 A d.c.
Isc PV (Absolute Maximum)	16 A d.c.	22 A d.c.	22 A d.c.
PROTECTION & FEATURE			
Parallel Function	No	No	Yes (up to 6pcs,optional)
Protection Degree	IP20, Indoor only		
Certifications	CE (IEC62109-1), EN61000 NRS		
Other Protection	Overload, Over temperature, Short circuit		
GENERAL PARAMETER			
Storage Temperature	-10°C ~ +60°C		
Operating Temperature	-10°C ~ +50°C		
Humidity	5% ~ 95% (Non-condensing)		
Operating Altitude	4000 m (>1000 m Derating)		
Noise	<50 dB		
Machine Dimensions (W*H*D)	330*228*90 mm	335*470*125 mm	335*470*125 mm
Machine Weight / N.W.	3.2 kg	8.1 kg	8.6 kg
DISPLAY AND COMMUNICATION			
Display	LCD Display (Display Running Mode, Loads / Input / Output etc.)		
Interface	RS485 / CAN / Dry Contact / WiFi (Optional)		



Easy to install, smart setting through LCD

A variety of intelligent working modes

Remote monitoring via APP or Web

Support BMS communication

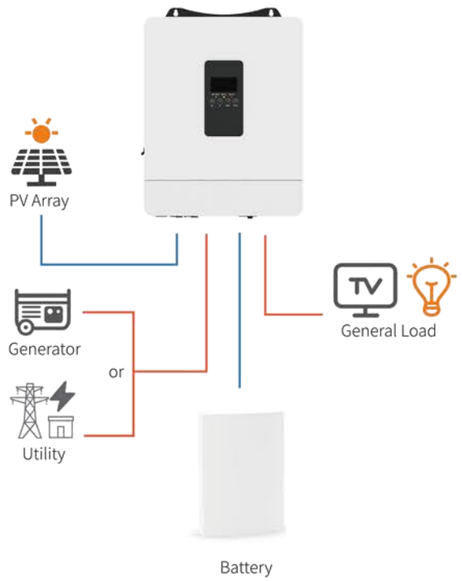
Support parallel operation up to 6 units

Can work without battery

Port Description

1.PV IN
2.WiFi
3.USB
4.DRY CONTACT
5.PARALLEL CONNECTION
6.BMS
7.AC OUT
8.AC IN
9.BAT+ BAT-
10.ON/OFF
11.AC INPUT BREAKER
12.WASHABLE DUST FILTER

Product Application Diagram



TECHNICAL SPECIFICATION	
Model	SSA-HL5K-P1US
AC INPUT	
Rated Voltage	120 V a.c., L+N+PE
Rated Frequency	50 Hz / 60 Hz
Current (Maximum Continuous)	41.7 A a.c.
INVERTER OUTPUT	
Rated Power	5 kW
Rated Voltage	120 V a.c., L+N+PE
Power Factor	1
Wave Form	Pure Sine Wave
Switch Time	<10ms (Typical Value)
Inverter Efficiency (Peak)	>92%
Current (Maximum Continuous)	41.7 A a.c.
Maximum Output Overcurrent Protection	105% ~130% 10s / 130% 5s / 200% 0.2s
BATTERY	
Battery Type	Lithium / Lead-acid
Rated Battery Voltage	48 V d.c.
Battery Voltage Range	42 ~ 60 V d.c.
Max. Charge Current	100 A d.c.
PV INPUT	
No. of MPPT Tracker / Strings	1 / 1
Max. PV Array Power	5 kW
Max. Dc Voltage	500 V d.c.
MPPT Voltage Range	120 ~ 450 V d.c.
Start-up Voltage	150 V d.c.
MPPT Maximum Charge Current	100 A d.c.
Max. Input Current	22 A d.c.
Isc PV (Absolute Maximum)	24 A d.c.
PROTECTION & FEATURE	
Parallel Function	Yes (Up to 6pcs, Optional)
Protection Degree	IP20, Indoor Only
Other Protection	Overload, Over temperature, Short circuit
GENERAL PARAMETER	
Storage Temperature	-10°C ~ +60°C (+14°F ~ +140°F)
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)
Humidity	5% ~ 95% (Non-condensing)
Operating Altitude	4000 m (>1000 m Derating)
Noise	< 50 dB
Machine Dimensions (W*H*D)	350*440.6*124.6 mm (13.78*17.35*4.91 in)
Machine Weight / N.W.	13 kg (28.66 lbs)
DISPLAY AND COMMUNICATION	
Display	LCD Display (Display Running Mode, Loads / Input / Output etc.)
Interface	RS485 / CAN / Dry Contact / WiFi (Optional)

Easy to install

A variety of intelligent working modes

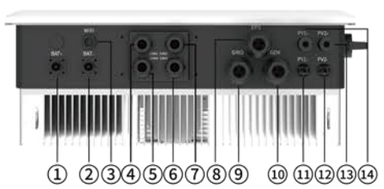
Remote monitoring via APP or Web

Support BMS communication

IP65, fanless design,long lifespan

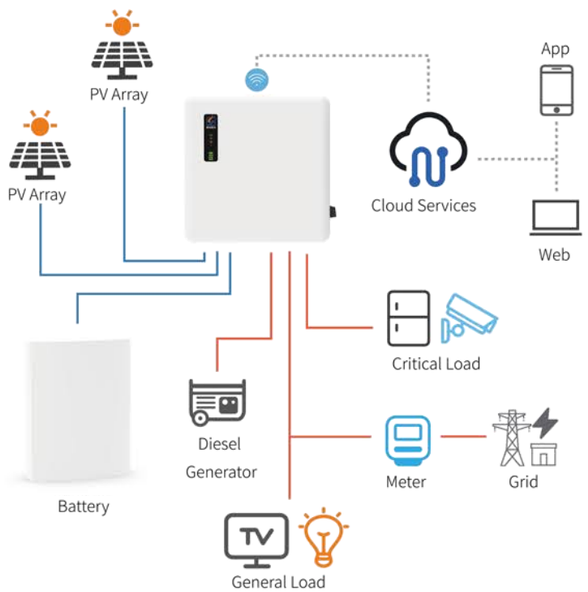
With UPS function, switch time<10ms

Port Description



1.BAT+
2.BAT-
3.WIFI
4.COM1
5.COM3
6.COM4
7.COM2
8.EPS
9.GRID
10.GEN
11.PV1-
12.PV2-
13.PV2+
14.PV1+
15.PV SWITCH

Product Application Diagram



TECHNICAL SPECIFICATION								
Model	SSE-HL3K-P1EU	SSE-HL3K6-P1EU	SSE-HL4K-P1EU	SSE-HL4K6-P1EU	SSE-HL5K-P1EU	SSE-HL6K-P1EU	SSE-HL7K-P1EU	SSE-HL8K-P1EU
INVERTER INPUT / OUTPUT (GRID)								
Rated Power	3 kW	3.6 kW	4 kW	4.6 kW[1]	5 kW[2]	6 kW	7 kW	8 kW
Rated Voltage	220 / 230 / 240 V a.c., L+N+PE							
Rated Frequency	50 Hz / 60 Hz							
Power Factor Range	0.8 leading ~ 0.8 lagging							
Switch Time	<10 ms							
Current (Maximum Continuous)	13 A a.c.	15.6 A a.c.	17.4 A a.c.	20.0 A a.c.	21.7 A a.c.	26.1 A a.c.	30.4 A a.c.	34.7 A a.c.
Max. Output Overcurrent Protection	250 V a.c. / 63 A a.c.							
BATTERY								
Battery Type	Lithium / Lead-acid							
Battery Voltage Range	45 ~ 58 V d.c.							
Rated Battery Voltage	51.2 V d.c.							
Max. Charge Current	78 A d.c.	91 A d.c.	104 A d.c.	117 A d.c.	130 A d.c.	143 A d.c.	156 A d.c.	195 A d.c.
Max. Discharge Current	78 A d.c.	91 A d.c.	104 A d.c.	117 A d.c.	130 A d.c.	143 A d.c.	156 A d.c.	195 A d.c.
Reverse Connect Protection	Yes							
PV INPUT								
No. of MPPT Tracker / Strings	2 / 1+1							
Max. PV Array Power	4.5 kW	5.4 kW	6.0 kW	6.9 kW	7.5 kW	9.0 kW	10.5 kW	12.0 kW
Max. DC Voltage	550 V d.c.							
MPPT Voltage Range	120 ~ 500 V d.c.							
Start-up Voltage	120 V d.c.							
Max. Input Current	16 + 16 A d.c. (8 kW : 18 + 18 A d.c.)							
Isc PV (Absolute Maximum)	24 + 24 A d.c.							
AC OUTPUT (EPS)								
EPS Rated Output Voltage	220 / 230 / 240 V a.c., L+N+PE							
EPS Rated Output Frequency	50 Hz / 60 Hz							
EPS Rated Output Active Power	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW	7 kW	8 kW
EPS Rated Output Apparent Power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA	7 kVA	8 kVA
EPS Rated Output Current	13 A a.c.	15.6 A a.c.	17.4 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.	30.4 A a.c.	34.7 A a.c.
Overload Capacity (Off Grid)	120% 60s / 150% 30s / 200% 10s							
EFFICIENCY								
MPPT Efficiency	99.90%							
Euro-efficiency	97.00%							
Max. Efficiency	97.80%							
PROTECTION & FEATURE								
Insulation Monitoring	Yes							
Residual Current Monitoring	Yes							
Parallel Function	Yes							
Protection Degree	IP65							
Certifications	CEI0-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTSTYPEA, G99, AS/NZS 4777.2							
Other Protection	Overload, Over temperature, Shortcircuit, Active anti-islanding method							
GENERAL PARAMETER								
Storage Temperature	-25°C ~ +60°C							
Operating Temperature	-25°C ~ +60°C (Linely derating to 80% when exceed +45°C ~ +60°C)							
Humidity	0-100% (Non-condensing)							
Operating Altitude	2000 m (>2000 m Derating)							
Noise	<35 dB							
Machine Dimensions (W*H*D)	506*556*206 mm							
Machine Weight / N.W.	25.6 kg							27 kg
DISPLAY& COMMUNICATION								
Display	LED + APP							
Interface	CAN / RS485 / Bluetooth / WiFi / 4G / DRM (Optional)							

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

[1]: The grid feed in power for VDE-AR-N 4105 is limited 4600VA & 20A.
[2]: The grid feed in power for AS/NZS 4777.2 is limited 4999VA & 21.7A.

Easy to install

A variety of intelligent working modes

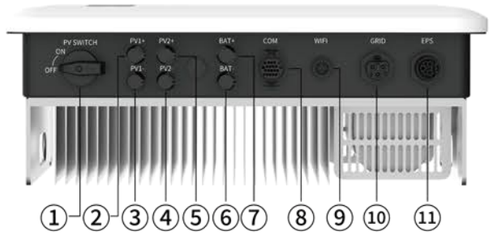
Remote monitoring via APP or Web

Support wide range
battery voltage from 85 to 460 V

IP65, fanless design, long lifespan

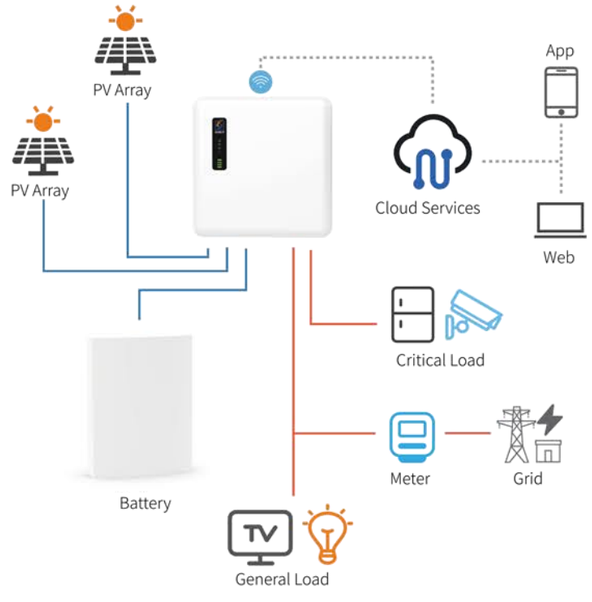
With UPS function, switch time <20ms

Port Description



1.PV SWITCH
2.PV1+
3.PV1-
4.PV2-
5.PV2+
6.BAT-
7.BAT+
8.COM
9.WIFI
10.GRID
11.EPS

Product Application Diagram



TECHNICAL SPECIFICATION					
Model	SSE-HH3K-P1-EU	SSE-HH3K7-P1-EU	SSE-HH4K6-P1-EU	SSE-HH5K-P1-EU	SSE-HH6K-P1-EU
INVERTER INPUT / OUTPUT (GRID)					
Rated Power	3 kW + 3 kW (bypass)	3.68 kW + 3.68 kW (bypass)	4.6 kW[1] + 4.6 kW (bypass)	5 kW[2] + 5 kW (bypass)	6 kW + 6 kW (bypass)
Rated Voltage	220 / 230 / 240 V a.c., L+N+PE				
Rated Frequency	50 Hz / 60 Hz				
Power Factor Range	0.8 leading ~ 0.8 lagging				
Switch Time	<20 ms				
Current (Maximum Continuous)	13 A a.c.	16 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.
Max. Output Overcurrent Protection	250 V a.c. / 60 A a.c.				
BATTERY					
Battery Type	Lithium				
Battery Voltage Range	85 ~ 460 V d.c.				
Rated Battery Voltage	300 V d.c.				
Max. Charge Current	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.
Max. Discharge Current	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.
Reverse Connect Protection	Yes				
PV INPUT					
No. of MPPT Tracker / Strings	2 / 1+1				
Max. PV Array Power	3 kW / 3 kW	3.68 kW / 3.68 kW	4.14 kW / 4.14 kW	4.5 kW/ 4.5 kW	4.5 kW/ 4.5 kW
Max. DC Voltage	600 V d.c.				
MPPT Voltage Range	80 ~ 550 V d.c.				
Start-up Voltage	120 V d.c.				
Max. Input Current	16 + 16 A d.c.				
Isc PV (Absolute Maximum)	24 + 24 A d.c.				
AC OUTPUT (EPS)					
EPS Rated Output Voltage	220 / 230 / 240 V a.c., L+N+PE				
EPS Rated Output Frequency	50 Hz / 60 Hz				
EPS Rated Output Active Power	3 kW	3.68 kW	4.6 kW	5 kW	6 kW
EPS Rated Output Apparent Power	3 kVA	3.68 kVA	4.6 kVA	5 kVA	6 kVA
EPS Rated Output Current	13 A a.c.	16 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.
Overload Capacity (Off Grid)	110% 30s / 120% 10s / 150% 2s				
EFFICIENCY					
MPPT Efficiency	99 .90%				
Euro-efficiency	97.00%				
Max. Efficiency	97.80%				
PROTECTION & FEATURE					
Insulation Monitoring	Yes				
Residual Current Monitoring	Yes				
Parallel Function	Yes				
Protection Degree	IP65				
Certifications	G99, CEI 0-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTS TYPEA, AS/NZS 4777.2 and so on				
Other Protection	Overload, Over temperature, Short circuit, Active anti-islanding				
GENERAL PARAMETER					
Storage Temperature	-25°C ~ +60°C				
Operating Temperature	-25°C ~ +60°C (Linely derating to 70% when exceed +45°C ~ +60°C)				
Humidity	0-100% (Non-condensing)				
Operating Altitude	<2000 m				
Noise	<25 dB				
Machine Dimensions (W*H*D)	480*480*180 mm				
Machine Weight / N.W.	20 kg				
DISPLAY & COMMUNICATION					
Display	LED + APP				
Interface	CAN / RS485 / Bluetooth / WiFi / 4G / DRM (Optional)				

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

[1]: The grid feed in power for VDE-AR-N 4105 is limited 4600VA & 20A.
[2]: The grid feed in power for AS/NZS 4777.2 is limited 4999VA & 21.7A.

Easy Access
Accessible via WiFi and the web

Diverse Modes
Various application modes to accommodate different battery packs, photovoltaic panels, and loads

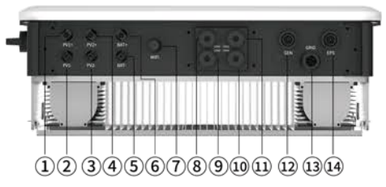
Diverse Interface
Includes interfaces such as a lithium battery BMS communication card and a WiFi card

Flexibility
Supports single-phase 100% unbalanced load operation off-grid, adapting to various load scenarios

Safe
Comprehensive 360-degree security from hardware to software

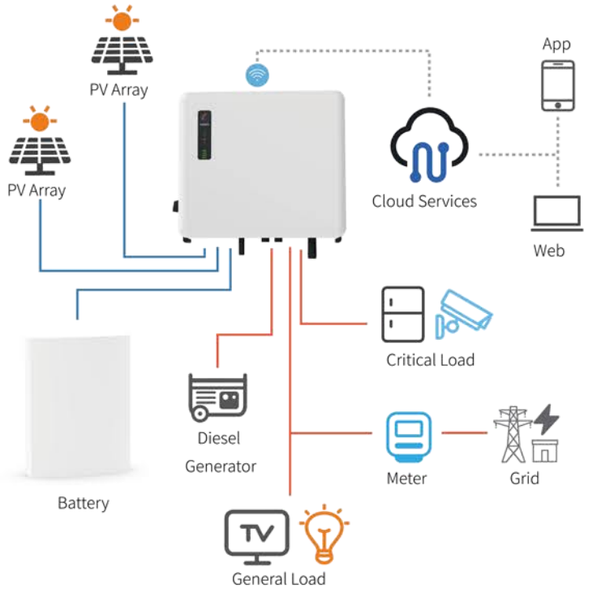
IP65
Fanless design for a long lifespan

Port Description



1.PV1+
2.PV1-
3.PV2-
4.PV2+
5.BAT-
6.BAT+
7.WIFI
8.COM1
9.COM3
10.COM4
11.COM2
12.GEN
13.GRID
14.EPS
15.PV SWITCH

Product Application Diagram



TECHNICAL SPECIFICATION			
Model	SSE-HH8K-P3EU	SSE-HH10K-P3EU	SSE-HH12K-P3EU
INVERTER INPUT / OUTPUT (GRID)			
Rated Power (Input / Output)	12 kW / 8 kW	14 kW / 10 kW	16 kW / 12 kW
Rated Voltage	380 / 400 V a.c., 3W+N+PE		
Rated Frequency	50 Hz		
Power Factor Range	0.8 leading ~ 0.8 lagging		
Switch Time	<10 ms		
Max. Continuous Current (Input / Output)	17.4 A a.c. / 12.8 A a.c.	20.3 A a.c. / 15.9 A a.c.	23.2 A a.c. / 19.1 A a.c.
Max. Output Overcurrent Protection	400 V a.c. / 60 A a.c.		
BATTERY			
Battery Type	Lithium / Lead-acid		
Battery Voltage Range	125 ~ 800 V d.c.		
Rated Battery Voltage	200 V d.c.	250 V d.c.	300 V d.c.
Max. Charge Current	40 A d.c.		
Max. Discharge Current	40 A d.c.		
Reverse Connect Protection	Yes		
PV INPUT			
No. of MPPT Tracker / Strings	2 / 1+1		
Max. PV Array Power	12 kW	15 kW	18 kW
Max. DC Voltage	1000 V d.c.		
MPPT Voltage Range	150 ~ 950 V d.c.		
Start-up Voltage	200 V d.c.		
Max. Input Current	16 + 16 A d.c.		
Isc PV (Absolute Maximum)	24 + 24 A d.c.		
AC OUTPUT (EPS)			
EPS Rated Output Voltage	380 / 400 V a.c., 3W+N+PE		
EPS Rated Output Frequency	50 Hz		
EPS Rated Output Active Power	8 kW	10 kW	12 kW
EPS Rated Output Apparent Power	8 kVA	10 kVA	12 kVA
EPS Rated Output Current	11.6 A a.c.	14.5 A a.c.	17.4 A a.c.
Overload Capacity (Off Grid)	110% 30s / 120% 10s / 150% 2s		
EFFICIENCY			
MPPT Efficiency	99.90%		
Euro-efficiency	97.50%		
Max. Efficiency	98%		
PROTECTION & FEATURE			
Insulation Monitoring	Yes		
Residual Current Monitoring	Yes		
Parallel Function	Yes		
Protection Degree	IP65		
Certifications	CEI 0-21, EN 50549 -1, VDE -AR-N 4105, UNE 217002, IEC62109-1/2 , IEC61000, NTS631		
Other Protection	Output over voltage, Output over current, Short circuit, Surge, Temperature, Anti-islanding		
GENERAL PARAMETER			
Storage Temperature	-25°C ~ +60°C		
Operating Temperature	-25°C ~ +60°C (Linely derating to 60% when exceed +45°C ~ +60°C)		
Humidity	0~100% (No-condensing)		
Operating Altitude	4000 m (>2000 m Derating)		
Noise	<35 dB		
Machine Dimensions (W*H*D)	530*600*210 mm		
Machine Weight/ N.W.	35 kg		
DISPLAY& COMMUNICATION			
Display	LED + APP		
Interface	CAN / RS485 / Bluetooth / WiFi / 4G / DRM (Optional)		

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

Easy to install

A variety of intelligent working modes

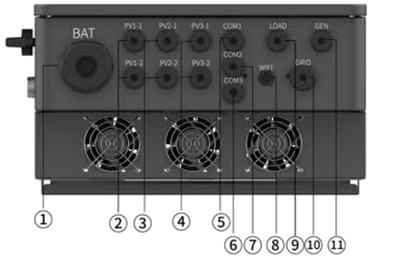
Remote monitoring via APP or Web

Support BMS communication

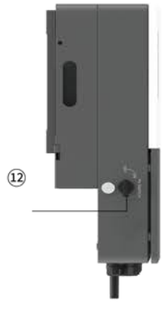
IP65, long lifespan

Integrated 3 MPPTs

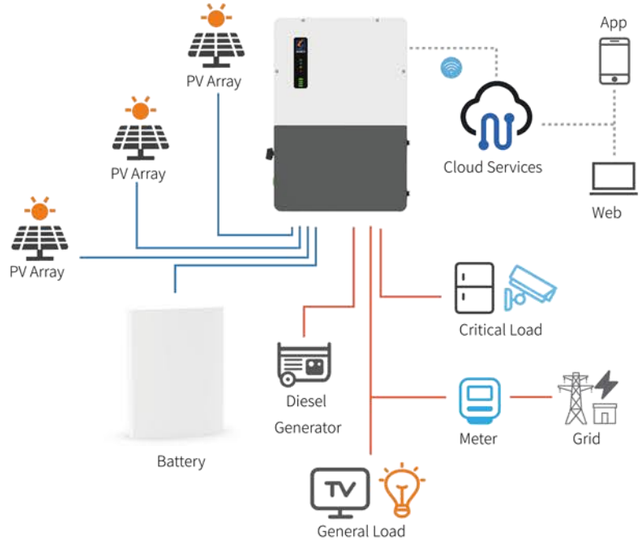
Port Description



1.BAT
2.PV1
3.PV2
4.PV3
5.COM1
6.COM3
7.COM2
8.WIFI
9.LOAD
10.GRID
11.GEN
12.PV SWITCH



Product Application Diagram



TECHNICAL SPECIFICATION				
Model	SSE-HL8K-P2US	SSE-HL10K-P2US	SSE-HL12K-P2US	SSE-HL15K-P2US
INVERTER INPUT / OUTPUT (GRID)				
Rated Power	8 kW	10 kW	12 kW	15 kW
Rated Voltage	120 V a.c. / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)			
Rated Frequency	50 Hz / 60 Hz			
Power Factor Range	0.8 leading ~ 0.8 lagging			
Switch Time	<10 ms			
Current (Maximum Continuous)	33.4 A a.c.	41.7 A a.c.	50 A a.c.	62.5 A a.c.
Max. Output Overcurrent Protection	250 V a.c / 125 A a.c			
BATTERY				
Battery Type	Lithium / Lead-acid			
Battery Voltage Range	40 ~ 60 V d.c.			
Rated Battery Voltage	51.2 V d.c.			
Max. Charge Current	167 A d.c.	210 A d.c.	250 A d.c.	275 A d.c.
Max. Discharge Current	167 A d.c.	210 A d.c.	250 A d.c.	275 A d.c.
Reverse Connect Protection	Yes			
PV INPUT				
No. of MPPT Tracker / Strings	2 / 2+2	3 / 2+2+2	3 / 2+2+2	3 / 2+2+2
Max. PV Array Power	12 kW	15 kW	18 kW	22.5 kW
Max. DC Voltage	525 V d.c.			
MPPT Voltage Range	120 ~ 500 V d.c.			
Start-up Voltage	100 V d.c.			
Max. Input Current	26 +26 +26 A d.c.			
Isc PV (Absolute Maximum)	39 A d.c.			
AC OUTPUT (EPS)				
EPS Rated Output Voltage	120 V a.c. / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)			
EPS Rated Output Frequency	50 Hz / 60 Hz			
EPS Rated Output Active Power	8 kW	10 kW	12 kW	15 kW
EPS Rated Output Apparent Power	8 kVA	10 kVA	12 kVA	15 kVA
EPS Rated Output Current	33.4 A a.c.	41.7 A a.c.	50 A a.c.	62.5 A a.c.
Overload Capacity (Off Grid)	200% 10s			
EFFICIENCY				
MPPT Efficiency	99.90%			
California-efficiency	96.50%			
Max. Efficiency	97.50%			
PROTECTION & FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP65			
Certifications	IEEE1547, CA RULE21, HECO SRD V2.0, UI1741, UL1741 SA/SB, CSA C22.2, UL1699B.			
Other Protection	Overload, Over temperature, Short circuit, Anti-islanding			
GENERAL PARAMETER				
Storage Temperature	-25°C ~ +60°C (-13°F ~ +140°F)			
Operating Temperature	- 25°C ~ +60°C (-13°F ~ +140°F), > +45°C (+113°F) Derating to 60%			
Humidity	0 ~95% (Non-condensing)			
Operating Altitude	4000 m (> 2000 m Derating)			
Noise	<45 dB			
Machine Dimensions (W*H*D)	450*700*240 mm (17.72*27.56*9.45 in)			
Machine Weight / N.W.	45 kg (99.21 lbs)			
DISPLAY & COMMUNICATION				
Display	LED + APP			
Interface	RS485 / WiFi / CAN (Optional: Bluetooth / LAN / 4G / Meter)			

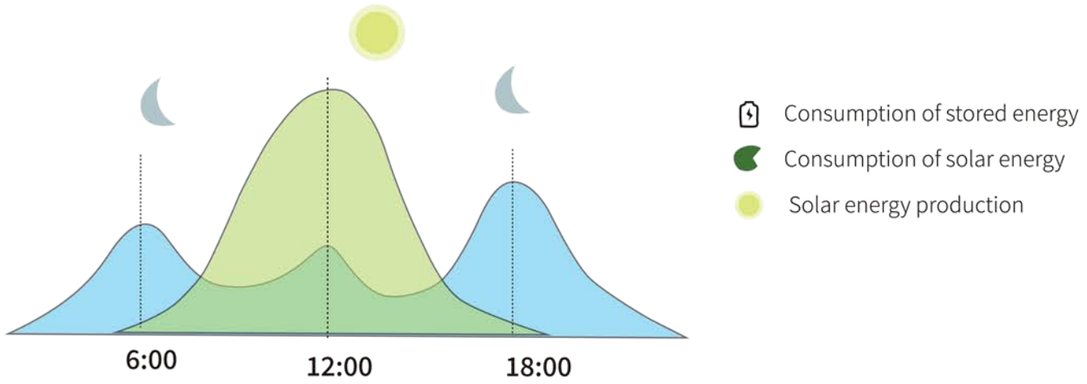
- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

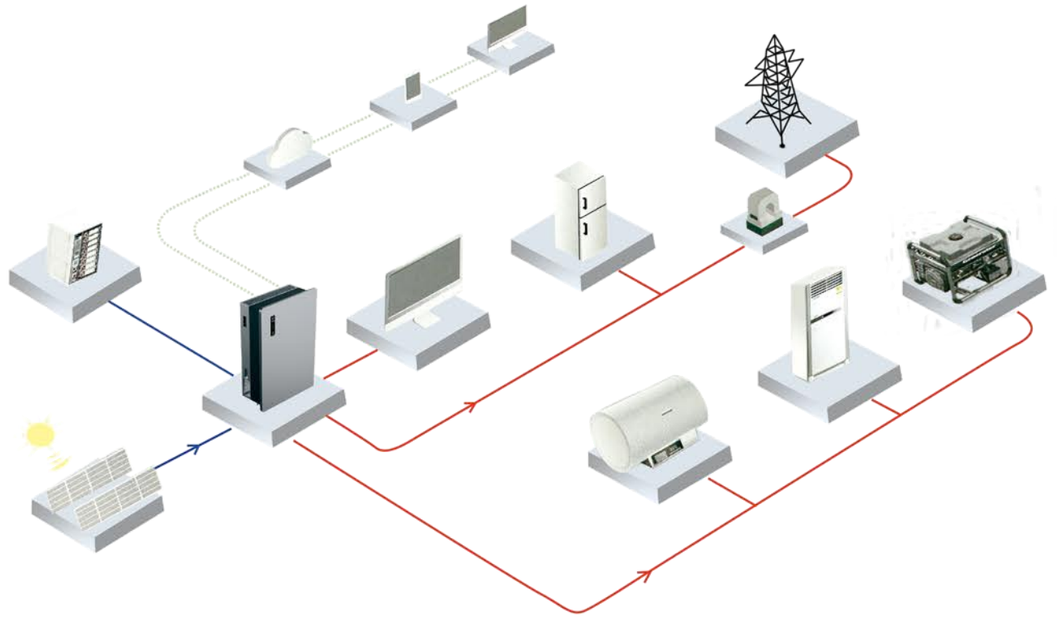
Commercial & Industrial Energy Storage Inverter

Project Cases

To Use Clean and Affordable Energy

Most energy is produced at noon, while peak power usage happens in the morning and evening.





TECHNICAL SPECIFICATION		
Model	SSE-HH20K-P3EU	SSE-HH30K-P3EU
INVERTER INPUT / OUTPUT (GRID)		
Rated Power (Input / Output)	60 kW / 20 kW	60 kW / 30 kW
Rated Voltage	380 / 400 V a.c., 3W+N+PE	
Rated Frequency	50 Hz / 60 Hz	
Power Factor Range	0.8 leading ~ 0.8 lagging	
Switch Time	<10 ms	
Max. Continuous Current (Input / Output)	87 A a.c. / 29 A a.c.	87 A a.c. / 43.5 A a.c.
Max. Output Overcurrent Protection	250 V a.c. / 100 A a.c.	
BATTERY		
Battery Type	Lithium / Lead-acid	
Battery Voltage Range	125 ~ 800 V d.c.	
Rated Battery Voltage	200 V d.c.	300 V d.c.
Max. Charge Current	2*50 A d.c.	
Max. Discharge Current	2*50 A d.c.	
Reverse Connect Protection	Yes	
PV INPUT		
No. of MPPT Tracker / Strings	2 / 2+2	
Max. PV Array Power	34 kW	50 kW
Max. DC Voltage	1000 V d.c.	
MPPT Voltage Range	125 ~ 850 V d.c.	
Start-up Voltage	150 V d.c.	
Max. Input Current	40 + 40 A d.c.	
Isc PV (Absolute Maximum)	60 + 60 A d.c.	
AC OUTPUT (EPS)		
EPS Rated Output Voltage	380 / 400 V a.c., 3W+N+PE	
EPS Rated Output Frequency	50 Hz / 60 Hz	
EPS Rated Output Active Power	20 kW	30 kW
EPS Rated Output Apparent Power	22 kVA	33 kVA
EPS Rated Output Current	29 A a.c.	43.5 A a.c.
Overload Capacity (Off Grid)	110% 30s / 120% 10s / 150% 2s	
EFFICIENCY		
MPPT Efficiency	99.90%	
Euro-efficiency	97.50%	
Max. Efficiency	98.10%	
PROTECTION & FEATURE		
Insulation Monitoring	Yes	
Residual Current Monitoring	Yes	
Parallel Function	Yes	
Protection Degree	IP65	
Certifications	CEI 0-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTSTYPEA, G99, AS/NZS 4777.2	
Other Protection	Overload, Over temperature, Short circuit, Active Anti-islanding	
GENERAL PARAMETER		
Storage Temperature	-40°C ~ +70 °C	
Operating Temperature	-25°C ~ +60°C (>+45°C, Derating)	
Humidity	0 ~ 95% (Non-condensing)	
Operating Altitude	4000 m (>2000 m Derating)	
Noise	<45 dB	
Machine Dimensions (W*H*D)	600*530*220 mm	
Machine Weight / N.W.	45 kg	
DISPLAY& COMMUNICATION		
Display	LED + APP	
Interface	RS485 / WiFi / CAN / DRM (Optional: Bluetooth / LAN / 4G / Meter)	

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

Easy Access
Accessible through WiFi and Web

Diverse Modes
A variety of application scenario modes to meet the applications of different battery packs, photovoltaic panels and loads

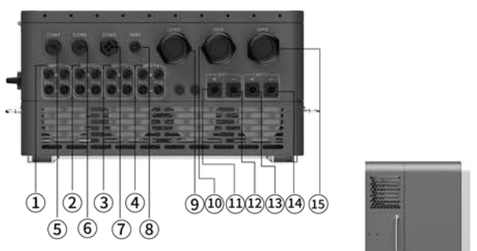
Diverse Interface
Interfaces including lithium battery BMS communication card and WiFi cars

Flexibility
Support single-phase 100% unbalanced load operation under off-grid, adapt to a variety of load scenarios.

Safe
360 degree of security from hardware to software

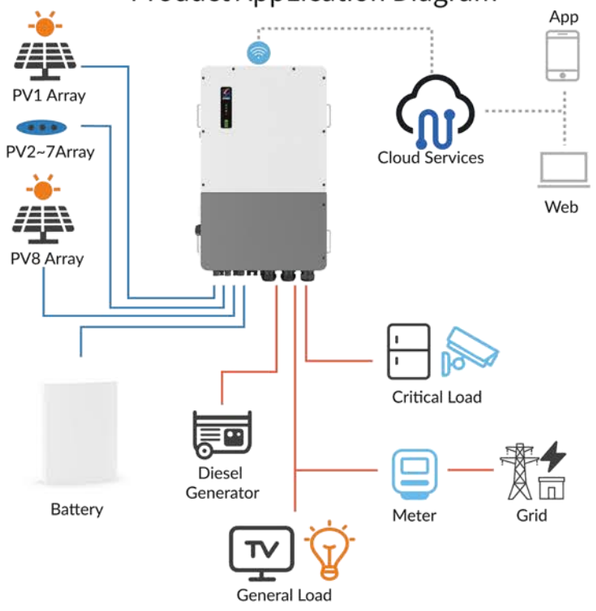
MPPT
4 MPPT design，8 string inputs, MPPT Efficiency up to 99.90%

Product Characteristics



1.MPPT1（PV1±，PV2±）
2.MPPT2（PV3±，PV4±）
3.MPPT3（PV5±，PV6±）
4.MPPT4（PV7±，PV8±）
5.COM1 11.BAT1+
6.COM2 12.BAT1-
7.COM3 13.BAT2+
8.WIFI 14.BAT2-
9.LOAD 15.GRID
10.GEN 16.Power on/off button
17.PV Switch

Product AppLication Diagram



TECHNICAL SPECIFICATION			
Model	SSE-HH40K-P3EU	SSE-HH50K-P3EU	SSE-HH60K-P3EU
INVERTER INPUT / OUTPUT (GRID)			
Rated Power (Input / Output)	138 kW / 40 kW	138 kW / 50 kW	138 kW / 60 kW
Rated Voltage	380 / 400 V a.c., 3W+N+PE		
Rated Frequency	50 Hz / 60 Hz		
Power Factor Range	0.8 leading ~ 0.8 lagging		
Switch Time	<10 ms		
Max. Continuous Current (Input / Output)	200 A a.c. / 58 A a.c.	200 A a.c. / 72 A a.c	200 A a.c. / 87 A a.c
Max. Output Overcurrent Protection	123 A a.c.	153 A a.c.	185 A a.c.
BATTERY			
Battery Type	Lithium / Lead-acid		
Battery Voltage Range	150 ~ 800 V d.c.		
Rated Battery Voltage	200 V d.c.	250 V d.c.	300 V d.c.
Max. Charge Current	2*100 A d.c.		
Max. Discharge Current	2*100 A d.c.		
Reverse Connect Protection	Yes		
PV INPUT			
No. of MPPT Tracker / Strings	4 / 2+2+2+2		
Max. PV Array Power	68 kW	85 kW	100 kW
Max. DC Voltage	1000 V d.c.		
MPPT Voltage Range	150 ~ 950 V d.c.		
Start-up Voltage	125 V d.c.		
Max. Input Current / sring	8*20 A d.c.		
Isc PV (Absolute Maximum) / sring	8*25 A d.c.		
AC OUTPUT (EPS)			
EPS Rated Output Voltage	380 / 400 V a.c., 3W+N+PE		
EPS Rated Output Frequency	50 Hz / 60 Hz		
EPS Rated Output Active Power	40 kW	50 kW	60 kW
EPS Rated Output Apparent Power	44 kVA	55 kVA	66 kVA
EPS Rated Output Current	58 A a.c.	72 A a.c.	87 A a.c.
Overload Capacity (Off Grid)	110% 30s/ 120% 10s/ 150% 0.2s		
EFFICIENCY			
MPPT Efficiency	99.90%		
Euro-efficiency	97.50%		
Max. Efficiency	98.5%		
PROTECTION & FEATURE			
Insulation Monitoring	Yes		
Residual Current Monitoring	Yes		
Parallel Function	Yes, up to 6pcs		
Protection Degree	IP65		
Certifications	CEI 0-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTSTYPEA, G99, AS/NZS 4777.2		
Other Protection	Ground Fault Current Monitoring, Earth Fault Detection, Residual Current (RCD) Detection		
GENERAL PARAMETER			
Storage Temperature	- 25°C ~ +60°C		
Operating Temperature	- 25°C~ +60 °C (>+45°C Derating)		
Humidity	0% ~ 95% (Non-condensing)		
Operating Altitude	4000 m (>2000 m Derating)		
Noise	<45 dB		
Machine Dimensions (W*H*D)	544*880*278 mm		
Machine Weight / N.W.	80 kg		
DISPLAY& COMMUNICATION			
Display	LED + APP		
Interface	RS485 / WiFi / CAN / DRM (Optional: Bluetooth / LAN / 4G / Meter)		

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

SSE-HH100K~125K-P3EU

Power Conversion System (PCS)

C&I Use

IP 66

5-Year Warranty

Protect your power supply

Built-in black start functionality ensures backup power for your site

Industrial & Commercial

Versatile and adaptable for various applications, it can be installed indoors or in a customized container

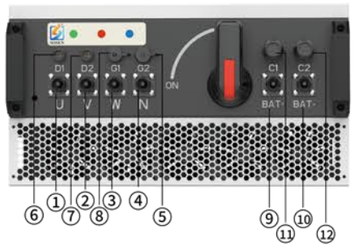
100% unbalanced output

Supports 100% unbalanced load operation even under off-grid conditions

Leading intelligent design

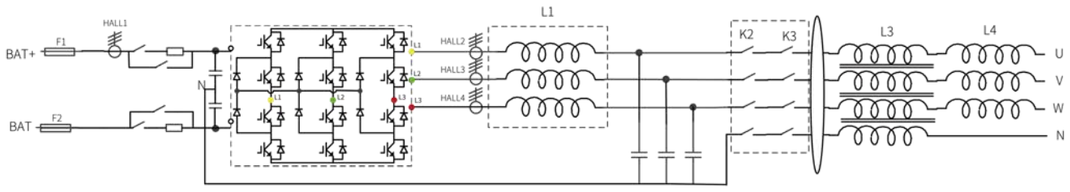
Enables peak load shifting and supports parallel operation from 4 to 12 units

Port Description



1.U	7.D2
2.V	8.G1
3.W	9.BAT+
4.N	10.BAT-
5.G2	11.C1
6.D1	12.C2

System Schematic Diagram



TECHNICAL SPECIFICATION		
Model	SSE-HH100K-P3EU	SSE-HH125K-P3EU
Product Type	Power Conversion System (PCS)	
AC (ON-GRID)		
Rated Power	100 kW	125 kW
Rated Voltage	380 / 400 V a.c., 3W+N+PE	
Rated Frequency	50 Hz / 60 Hz	
Power Factor Range	1.0 leading ~ 1.0 lagging	
Overload Capacity	110% long-term	
Max. Apparent Output Power	110 kVA	137.5 kVA
AC Output Rated Current	144 A a.c.	181 A a.c.
Max. Output Current	159 A a.c.	200 A a.c.
THDi	< 3%	
AC (OFF-GRID)		
Rated Output Voltage	380 / 400 V a.c., 3W+N+PE	
Rated Output Frequency	50 Hz / 60 Hz	
Max. Apparent Output Power	110 kVA	137.5 kVA
THDU	<2% (Linear Load)	
DC (BATTERY)		
Battery Type	Lithium / Lead-acid	
Battery Voltage Range	580 ~ 1000 V d.c.	
Max. Charging / Discharging Power	110 kW	137.5 kW
Max. Charging / Discharging Current	159 A d.c.	200 A d.c.
GENERAL PARAMETER		
Cooling	Intelligent air cooling	
Relative Humidity	0~95% (Non-condensing)	
Operating Altitude	4000 m (>3000 m, Derating)	
Ingress Protection	IP66	
Ambient Temperature	-35°C ~ +55°C (>+45°C, Derating)	
Protective Class	I	
Over Voltage Category	III (AC), II (DC)	
Inverter Topology	Non-isolated	
Machine Dimensions (W*H*D)	520*280*850 mm	
Machine Weight / N.W.	85 kg	
DISPLAY AND COMMUNICATION		
Communication Interface	RS485 / CAN / Ethernet (Optional)	

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

Protect your power supply

Built-in black start functionality ensures backup power for your site

Industrial & Commercial

Versatile and adaptable for various applications, it can be installed indoors or in a customized container

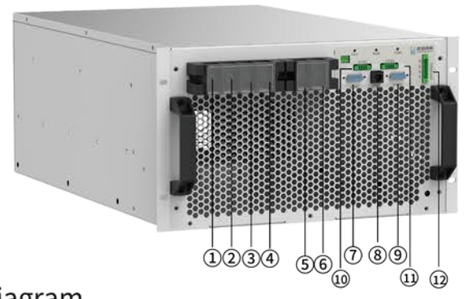
100% unbalanced output

Supports 100% unbalanced load operation even under off-grid conditions

Leading intelligent design

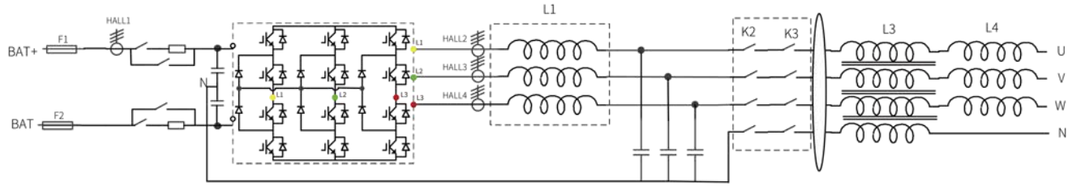
Enables peak load shifting and supports parallel operation from 4 to 12 units

Port Description



1.U	7.COM1
2.V	8.COM2
3.W	9.COM3
4.N	10.SYNC
5.BAT-	11.COM4
6.BAT+	12.OFFGRID

System Schematic Diagram



TECHNICAL SPECIFICATION		
Model	SSE-BH100K-P3EU	SSE-BH125K-P3EU
Product Type	Power Conversion System (PCS)	
AC (ON-GRID)		
Rated Power	100 kW	125 kW
Rated Voltage	380 / 400 V a.c., 3W+N+PE	
Rated Frequency	50 Hz / 60 Hz	
Power Factor Range	1.0 leading ~ 1.0 lagging	
Overload Capacity	110% long-term	
Max. Apparent Output Power	110 kVA	137.5 kVA
AC Output Rated Current	144 A a.c.	181 A a.c.
Max. Output Current	159 A a.c.	200 A a.c.
THDi	< 3%	
AC (OFF-GRID)		
Rated Output Voltage	380 / 400 V a.c., 3W+N+PE	
Rated Output Frequency	50 Hz / 60 Hz	
Max. Apparent Output Power	110 kVA	137.5 kVA
THDU	<2% (Linear Load)	
DC (BATTERY)		
Battery Type	Lithium / Lead-acid	
Battery Voltage Range	580 ~ 1000 V d.c.	
Max. Charging / Discharging Power	110 kW	137.5 kW
Max. Charging / Discharging Current	159 A d.c.	200 A d.c
GENERAL PARAMETER		
Cooling	Intelligent air cooling	
Relative Humidity	0~95% (Non-condensing)	
Operating Altitude	4000 m (>3000 m, Derating)	
Ingress Protection	IP20	
Ambient Temperature	-35°C ~ +55°C (>+45°C, Derating)	
Protective Class	I	
Over Voltage Category	III (AC), II(DC)	
Inverter Topology	Non-isolated	
Machine Dimensions (W*H*D)	440*265*700 mm	
Machine Weight / N.W.	65 kg	
DISPLAY AND COMMUNICATION		
Communication Interface	RS485 / CAN / Ethernet (Optional)	

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

SSE-HH200K~235K-P3EU

Power Conversion System (PCS)

C&I Use

IP 66

5-Year Warranty

Efficient

Bidirectional energy conversion with a maximum efficiency up to 99%.

Flexible

Modular system design, ideal for large-scale source-side and commercial & industrial user-side applications.

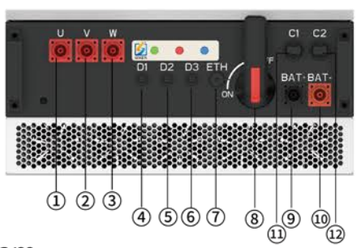
Smart

Supports constant power, constant current, and constant voltage control, with LVRT & HVRT, and black start functionality.

Safe

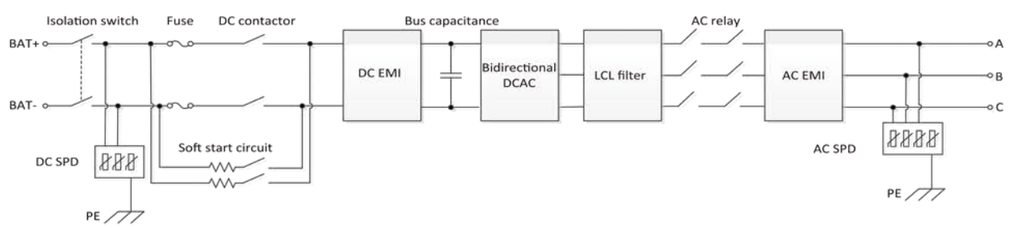
Features anti-islanding protection and IP66 rating.

Port Description



1.U	7.ETH
2.V	8.SW
3.W	9.BAT+
4.D1	10.BAT-
5.D2	11.C1
6.D3	12.C2

System Schematic Diagram



TECHNICAL SPECIFICATION			
Model	SSE-HH200K-P3EU	SSE-HH215K-P3EU	SSE-HH235K-P3EU
Product Type	Power Conversion System (PCS)		
AC (ON-GRID)			
Rated Power	200 kW	215 kW	235 kW
Rated Voltage	400 / 690 V a.c., 3W+PE		
Rated Frequency	50 Hz / 60 Hz		
Power Factor Range	1.0 leading ~ 1.0 lagging		
Max. Apparent Output Power	220 kVA	236.5 kVA	258.5 kVA
AC Output Rated Current	167.3 A a.c.	180.0 A a.c.	196.6 A a.c.
Max. Output Current	184.0 A a.c.	197.9 A a.c.	216.3 A a.c.
THDi	< 3%		
DC (BATTERY)			
Battery Type	Lithium / Lead-acid		
Battery Voltage Range	1000 ~ 1500 V d.c.		
Max. Charging / Discharging Power	220 kW	236.5 kW	258.5 kW
Max. Charging / Discharging Current	204 A d.c	220 A d.c.	240 A d.c.
GENERAL PARAMETER			
Cooling	Intelligent air cooling		
Relative Humidity	0 ~ 95% (Non-condensing)		
Operating Altitude	4000 m (>2000 m, Derating)		
Ingress Protection	IP66		
Ambient Temperature	-35°C~55°C (>45°C, Derating)		
Protective Class	I		
Over Voltage Category	III (AC), II (DC)		
Inverter Topology	Non-isolated		
Machine Dimensions (W*H*D)	600*900*300 mm		
Machine Weight / N.W.	100 kg		
DISPLAY AND COMMUNICATION			
Communication Interface	RS485 / Ethernet / CAN (Optional)		

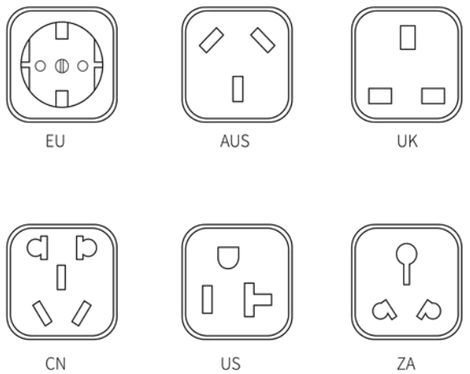
- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.

Portable Power Station

Features

- Automotive-grade battery cells
- Pure sine wave, appliances-friendly
- Long battery cycle life: >3000 times
- Bidirectional inverter technology
- Recharging 80% within 1 hour
- ECO mode (set up via APP)
- 8 safety BMS protection modes
- 3 recharge ways
- 5 output modes
- 10 output ports
- Ergonomically-designed and easy to carry

AC Output Socket



(UL2743) PSE MIC
CE ROHS FC UN38.3

Charging Methods

AC Solar Panel Car

Charging Times

Phone	Laptop	Camera	Drone	Switch	Projector	Lamp
10Wh/**24**Times	60Wh/**4**Times	16Wh/**15**Times	22Wh/**11**Times	16Wh/**15**Times	50W/**5**Hrs	10W/**24**Hrs

TECHNICAL SPECIFICATION	
Model	PE-700
Capacity	307 Wh (8S2P) 25.6 V 12 Ah
Battery Cell	LFP (LiFePo4)
Cycle Life	3000 (80% DOD)
Monitor	LCD
Housing Material	PC + ABS
Color	Optional
Stand-by Power	<2 W
OUTPUT	
AC Output	1*AC outlets 230 V 60 Hz / 50 Hz / 1*AC outlets 110 V 60 Hz / 50 Hz
Rated AC Output / Peak AC Output	700 W / 1400 W
AC Output Efficiency	88% ~ 90%
USB-A Output	2*18 W (36 W Max.)
USB-C Output	Front: 1*100 W; Back: 2*100 W, 200 W Max.
DC Output DC5521	2*13.6 V / 5 A 10 A Max.
Cigarette Lighter	1*13.6 V / 10 A Max.
Charge and Discharge Simultaneously	Support
INPUT	
AC Charging Power	1*220 ~ 240 V 50 Hz 450 W / 1*110 ~ 120 V 50 Hz 450 W
Solar / Car Recharge	1*11-28 V / 200 W MPPT
LED Lamp for Emergency	
LED Power	3 W
LED Mode	(High / Medium / Low / Flash / SOS)
BMS MULTI-PROTECTION	
Over voltage, over current, over charge, over discharge, overload, short circuit, high temperature, low temperature	
OTHERS	
Certifications	CETLUS(UL2743), CE, FCC, PSE, MIC, ROHS, UN38.3, RCM, MSDS
Dimension (L*W*H)	255*175*185 mm
N.W. / G.W.	5.85 kg / 7.49 kg
Charging Temperature	0°C ~ +45°C (32°F ~113°F)
Storage Temperature	-20°C ~ +60 °C (-4°F ~ 140°F)
Discharging Temperature	-20°C ~ +45°C (-4°F ~ 113°F)
Bluetooth / WiFi	Optional
Accessories	AC charging cable, Car charging cable, User manual

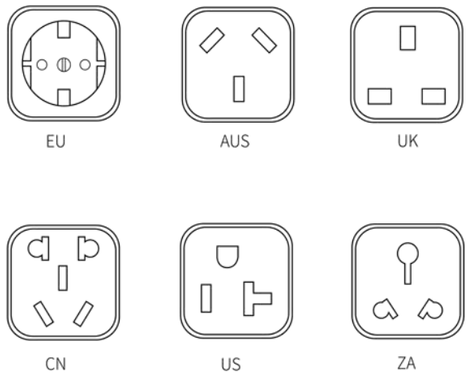
Features

- Automotive grade battery cells
- Pure sine wave,appliances friendly
- Long battery cycle life:>3000 times
- Bidirectional inverter technology
- Recharging 80% within 1 hour
- ECO mode (can set at APP)
- 8 safety BMS protections modes
- 4 recharge ways
- 4 output modes
- 10 output ports
- Ergonomically designed,easy to carry

Charging Methods

AC · Solar Panel · Car · Type C

AC Output Socket

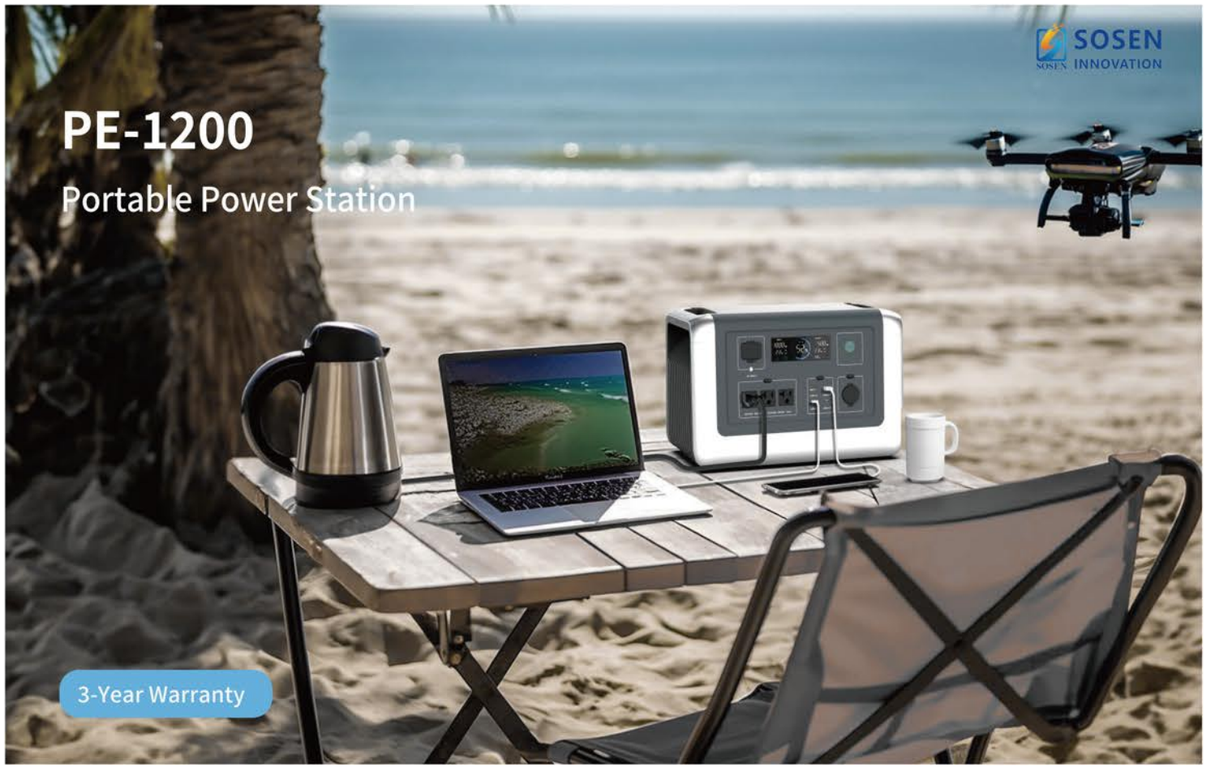


(UL2743) PSE MIC
CE ROHS FC UN38.3

Charging Times

Phone	Laptop	Camera	Drone	Kettle	Projector	Coffee Maker
10Wh/**95**Times	60Wh/**15**Times	16Wh/**60**Times	22Wh/**42**Times	50W/**1.6**Hrs	50W/**13**Hrs	600W/**40**Cups

TECHNICAL SPECIFICATION	
Model	PE-1000
Capacity	1008 Wh (7S3P) 22.4 V 45 Ah
Battery Cell	LFP (LiFePO4)
Cycle Life	3000 (80% DOD)
Monitor	LCD
Housing Material	Aluminum + PC + ABS
Color	Optional
OUTPUT	
AC Output	2*AC outlets 230 V 50 Hz / 2*AC outlets 110 V 60 Hz
Rated AC Output / Peak AC Output	1000 W / 1500 W
USB-A Output	2*5 W & 2*18 W
USB-C Output	1*100 W (Bidirectional)
DC Output DC5521	3*13.6 V 5 A (10 A Max.)
Recharge and Charge simultaneously	Support
INPUT	
AC Charging Power	1*220 ~ 240 V 50 Hz 1000 W / 1*110 ~ 120 V 60 Hz 1000 W
Solar / Car Recharge	1*11 ~ 55 V / 300 W MPPT
Type-C	1*100 W (Bidirectional)
LED LIGHT	
LED Power and LED Mode	4 W (High / Medium / Low / Flash / SOS)
BMS MLUTI PROTECTION	
Over voltage, Over current, Over charge, Over Discharge, Overload, Short circuit , High temperature, Low temperature	
OTHERS	
Certifications	TUV-UL2743, CE, FCC, PSE, MIC, ROHS, UN38.3, MSDS
Dimension (L*W*H)	360*186 *226 mm
N.W. / G.W.	13.6 kg / 15.1 kg
Charging Temperature	0°C ~ +45 °C (32°F ~ 113°F)
Discharging Temperature	-20°C ~ +45°C (-4°F ~ 113°F)
Storage Temperature	-20°C ~ +60°C (-4°F ~ 140°F)
Accessories	AC charging cable, Car charging cable, User manual



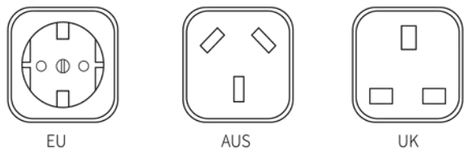
Features

- Automotive grade battery cells
- Pure sine wave,appliances friendly
- Long battery cycle life:>2000times
- Bidirectional inverter technology
- Recharging 80% within 1 hour
- ECO mode (can set at APP)
- 8 safety BMS protection modes
- 3 recharge ways
- 4 output modes
- 7 output ports
- Ergonomically designed easy to carry

Charging Methods

AC Solar Panel Car

AC Output Socket



(UL2743) PSE MIC
CE ROHS FC UN38.3

Charging Times

Phone	Laptop	Camera	Drone	Kettle	Projector	Coffee Maker
10Wh/**95**Times	60Wh/**15**Times	16Wh/**60**Times	22Wh/**42**Times	50W/**1.6**Hrs	50W/**13**Hrs	600W/**40**Cups

TECHNICAL SPECIFICATION	
Model	PE-1200
Capacity	1024 Wh (8S2P) 25.6 V 40 Ah
Battery Cell	LFP (LiFePO4)
Cycle Life	2000 (80% DOD)
Monitor	LCD
Housing Material	PC + ABS
Color	Optional
OUTPUT	
AC Output	2*AC outlets 230 V 50 Hz / 3*AC outlets 110 V 60 Hz
Rated Ac Output / Peak AC Output	1200 W / 1800 W
USB-A Output	1*5 W and 1*18 W
USB-C Output	2*100 W
Cigarette lighter	1*13.6 V / 8 A 10 A Max.
Recharge and Charge simultaneously	Support
INPUT	
AC Charging Power	1*220 ~ 240 V 50 Hz 800 W / 1*110 ~ 120 V 60 Hz 800 W
Solar	1*11 ~ 55 V
Car Recharge	300 W MPPT
LED LIGHT	
LED Power	5 W
BMS MLUTI PROTECTION	
Over voltage, Over current, Over charge, Over discharge, Overload, Short circuit, High temperature, Low temperature	
OTHERS	
Certifications	TUV-UL2743 , CE, FCC, PSE, MIC, ROHS, UN38.3, MSDS
Dimension (L*W*H)	365*225*265 mm
N.W. / G.W.	13.6 kg / 16 kg
Charging Temperature	0°C ~ +45 °C (32°F ~ 113°F)
Discharging Temperature	-20°C ~ +45°C (-4°F ~113°F)
Storage Temperature	-20°C ~ +60°C (-4°F ~ 140°F)
Accessories	AC charging cable, Car charging cable, User manual

MONITORING SOFTWARE & ACCESSORY

SOSEN Cloud

New generation SOSEN PV monitoring platform

Sosen Cloud is an advanced PV system monitoring solution that offers you real-time control and insights from anywhere. With customizable fault alerts and a user-friendly interface, it simplifies O&M by displaying all installations and live power flows. The intelligent alarm system provides quick repair recommendations, ensuring you have full command over your solar and storage systems

Features

Advanced cloud services

- Data security, reliability, real-time efficiency. Able to fully display equipment data and set and manage equipment on the line, Including power station information, energy flow, electricity statistics, weather information and so on.

Multi-power station management

- Supports account management of multiple power stations and multi-level management rights division management.

Intelligent diagnosis

- It can scan data curves and diagnose the system by recording system running status and faults.

Full screen mode

- Display the statistics and map location information of all devices in the system on the large screen to clearly obtain energy saving and alkali emission.

Download on the App Store

ANDROID APP ON Google play

Scan QR code to download

Accessory

Wi-Fi / 4G / Bluetooth / Ethernet / RS485

Utilize the RS485 communication protocol to interconnect the inverters, allowing for the simultaneous connection of the required number of units. Implement data communication with the monitoring system via a wireless WiFi network or a Local Area Network (LAN). This setup enables remote control and monitoring capabilities.
The network facilitates the transmission of clear and intuitive data, providing customers with the convenience to monitor the system at any time and from any location.

SOSEN Data Loggers

Features

- Support WiFi and LAN communication
- Plug and play, quick installation
- Status indicator, easy to display working status
- RESET button, one key to send data, convenient debugging
- Fault alarm, real-time monitoring