

PARIS RHÔNE ENERGY



About Paris Rhône Energy

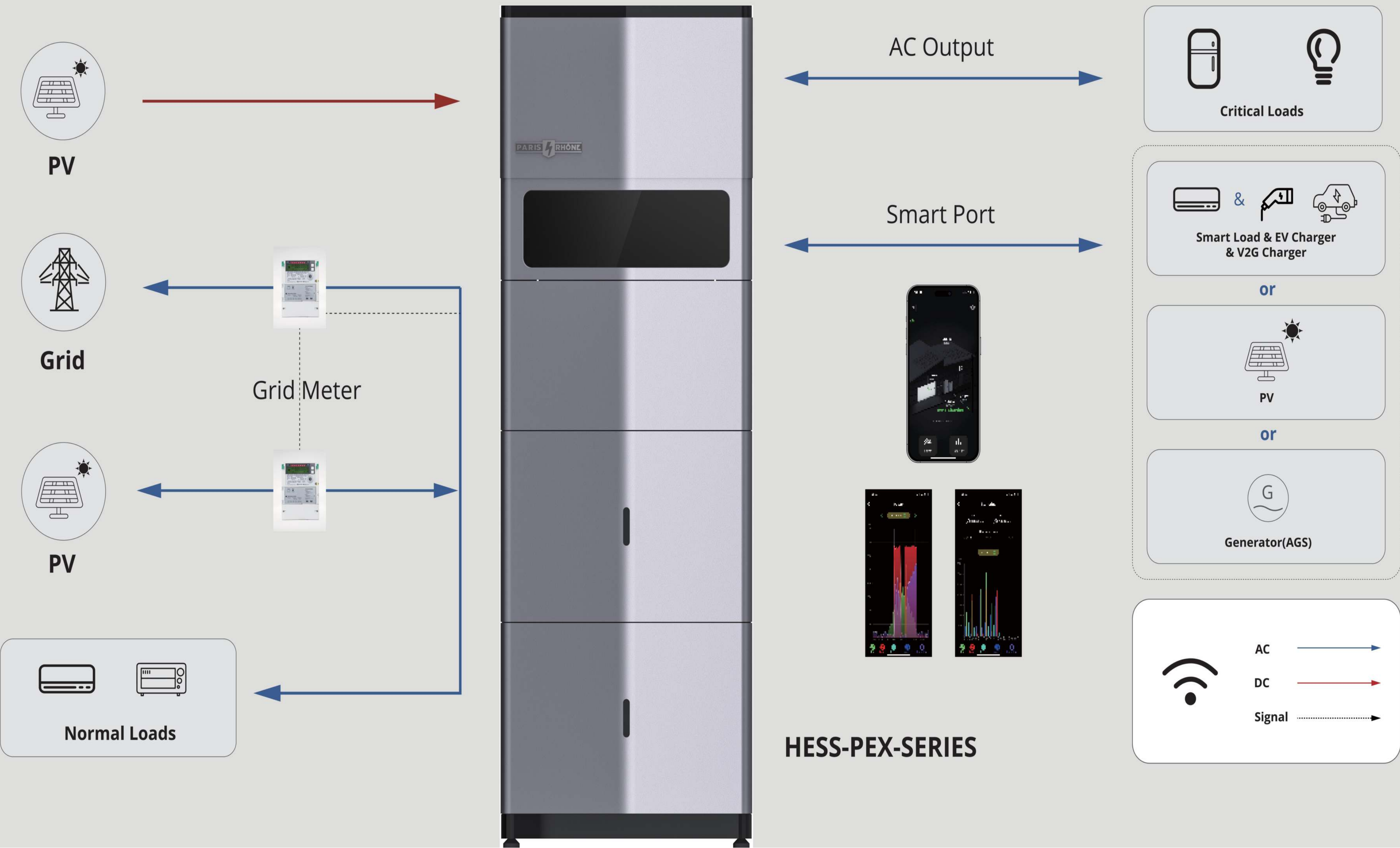
Committed to sustainable, cleaner energy storage products, and patents 100+ in ESS filed. Paris Rhône is a leading energy technology company that provides advanced power grid software solutions, backup and prime power systems for home and industrial applications, solar + battery storage solutions, virtual power plant platforms, and engine- and battery-powered tools and equipment. Paris Rhône is committed to creating sustainable and cleaner energy storage products that are poised to revolutionize the 21st-century electrical grid.



Smart Energy Bettering Life

Residential Hybrid ESS Solution

System Size : 10.24kwh~76.48kwh Residential



CATALOG

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All-in-one

Residential Energy Storage System



10-Year
Warranty



Safe
& Reliable



All-in-1



Expandable
Capacity



Multiple
Operation Modes



Less Cost,
More Energy



IP65



24/7 Smart
Monitor

PRODUCT ADVANTAGES ⚡

1. 10-Year Long Warranty.
2. Protection grade:IP65.
3. Less Cost, More Energy.
4. UPS function: when the grid is unstable / sudden power failure, automatically switch to standby power mode to ensure stable operation of loads .
Safe & Reliable:lithium iron phosphate battery, high energy density , good safety performance.
5. 10,000+ Battery Cycles:The Paris Rhône Energy PEX-Series use industry-leading ultra-safe LFP battery cells that feature faster.
6. Charge and longer lifespan compared to other traditional battery cells.
7. All in One Easy Installation:Adopting the modular design, this Paris Rhône Energy all-in-one PEX-Series enable faster and more convenient installation.
8. Expandable Capacity:PEX Pro (6kw) which can be flexibly expanded up to 76.8kWh, providing 10 days of backup power for a household and meeting various needs.
9. Smart App Control: With the helpful app, you can fully monitor and control the Paris Rhône Energy all-in-one PEX-Series from the convenience of your phone via WiFi.

Residential Energy Storage System PEX-series

PEX-Pro/PEX-Max/PEX-US

The Paris Rhône residential energy storage system is an integrated battery solution that delivers clean and green energy to every family in a safe and smart way.



EU VERSION			US VERSION	
		Single phase	Three phase	Split phase
		PEX PRO (6KW/10KWH)	PEX MAX (12KW/10KWH)	PEX US (8KW/ 10KWH)
AC INPUT SPEC	Max Input Power	6.0kW	13.2kW	8.0kW
	Nominal Voltage/ Range	230V/176V-270V	400V	110-120/220-240V split phase
	Frequency	50/60Hz	50/60Hz	50/60Hz
	Max. Input Current	26A	19A	38.3A
PV INPUT SPEC	Max. Input Power	7.0kW	15.6kW	12kW
	Max. Input Current	14A*2	13A*2	14A*2
	MPPT Range/Nominal Voltage	125V-500V/360v	125V-850V	120V~500V
BATTERY INPUT SPEC	Battery Input Voltage Range	48V~58.4V	150V~600V	44V~58.4V
	Maximum battery current(A)	200A/200A	50A/50A	200A/200A
	Lifecycle(time)	>10000(25°C)	>10000(25°C)	>10000(25°C)
	Expansion Capacity	10.24KWh~76.8KWh	10.24KWh~76.8KWh	10.24KWh~76.8KWh
	Nominal Voltage/ Range	230V/176V-270V	400V/360V-440V	110-120/220-240V split phase
OTHER SPEC	European Efficiency	97%	97.50%	97%
	Protection Standard	IP65(Outdoor)	IP65(Outdoor)	IP65(Outdoor)
	Dimensions(N=2)	1608mm*309mm*610mm	1778mm*309mm*610mm	1608mm*309mm*610mm
	Weight	166.5kg	181kg	178.5kg
	AC Output Topology	L+N+PE	3W+N+PE	L+N+PE
	Grid Regulation	CEI0-21/G98/G99	EN50549-1/Rfg:2016/NC Rfg:2018/ PTPIREE:2021/G99/NRS 097-2-1: 2017	CEI0-21/G98/G99



Wall-Mounted Energy Storage System

PEX-LS01



Safe
& Reliable



Space-saving
Wall-mounted Design



IP65



Modular Design for
Paralleled Battery System

PRODUCT ADVANTAGES ⚡

1. The ultra thin nest wall-mounted home storage product ,perfectly integrated into the home environment.
2. Built-in highly stable BMS system with overcharge, overdischarge , over-current ,and high and low temperature protection
3. Built-in LED screen displaying voltage,current,emperature ,and other information,convenient for users to inquire convenience of your phone via WiFi.
4. Supports up to 16 groups in parallel.
5. Adapt to mainstream inverter brands in the market ,providing users with more choices.

Stackable & Wall-Mounted Energy Storage System PEX-series

PEX-LS01 / PEX-LS02



Safe
& Reliable



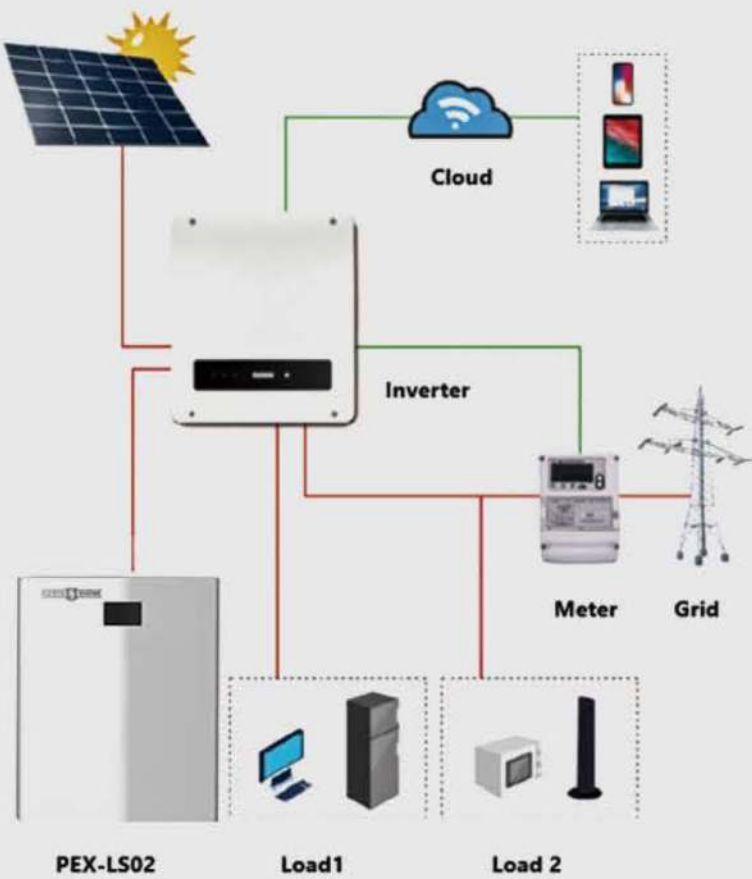
Stackable & Wall-Mountable
Design for Flexible Installation



IP65



Modular Design for
Paralleled Battery System



WALL MOUNTED-ULTRA THIN 5KWH-PACK		WALL MOUNTED- 5KWH-PACK
Items	Parameters	Parameters
Product Mode	PEX-LS02	PEX-LS01
Nominal Voltage	51.2V	51.2V
Nominal Capacity	100Ah	100Ah
Energy	5.12kWh	5.12kWh
Charging Voltage	58.4V	58.4V
Charging Current	Continuous:50A Maximum:100A	Continuous:20A Maximum:100A
Discharge Current	Continuous:100A	Continuous:20A Maximum:100A
Factory Voltage	50.4V~53.6V	/
Charging Temperature	0°C~65°C	(0°C~45°C) /RH≤85%
Discharging Temperature	(-20°C~65°C)	(-10°C~55°C) /RH≤85%
Battery Pack Dimensions	750mm*550mm*87.5mm/±1mm	500mm*550mm*162mm/±1mm
Weight	45±1KG	52±1KG

Balcony Battery

Storage System



EXPANDABLE CAPACITY
2240wh~6720wh



HIGH POWER
1000W PV Input 800W DC Output



POWER ANYTIME
Backup The Excess Solar Energy to
Provide Energy at Night



DIY INSTALLATION
Creativity Design for SOC Display
Plug-And-Play



HIGH SAFETY
LiFePO4 Battery IP67 Waterproof



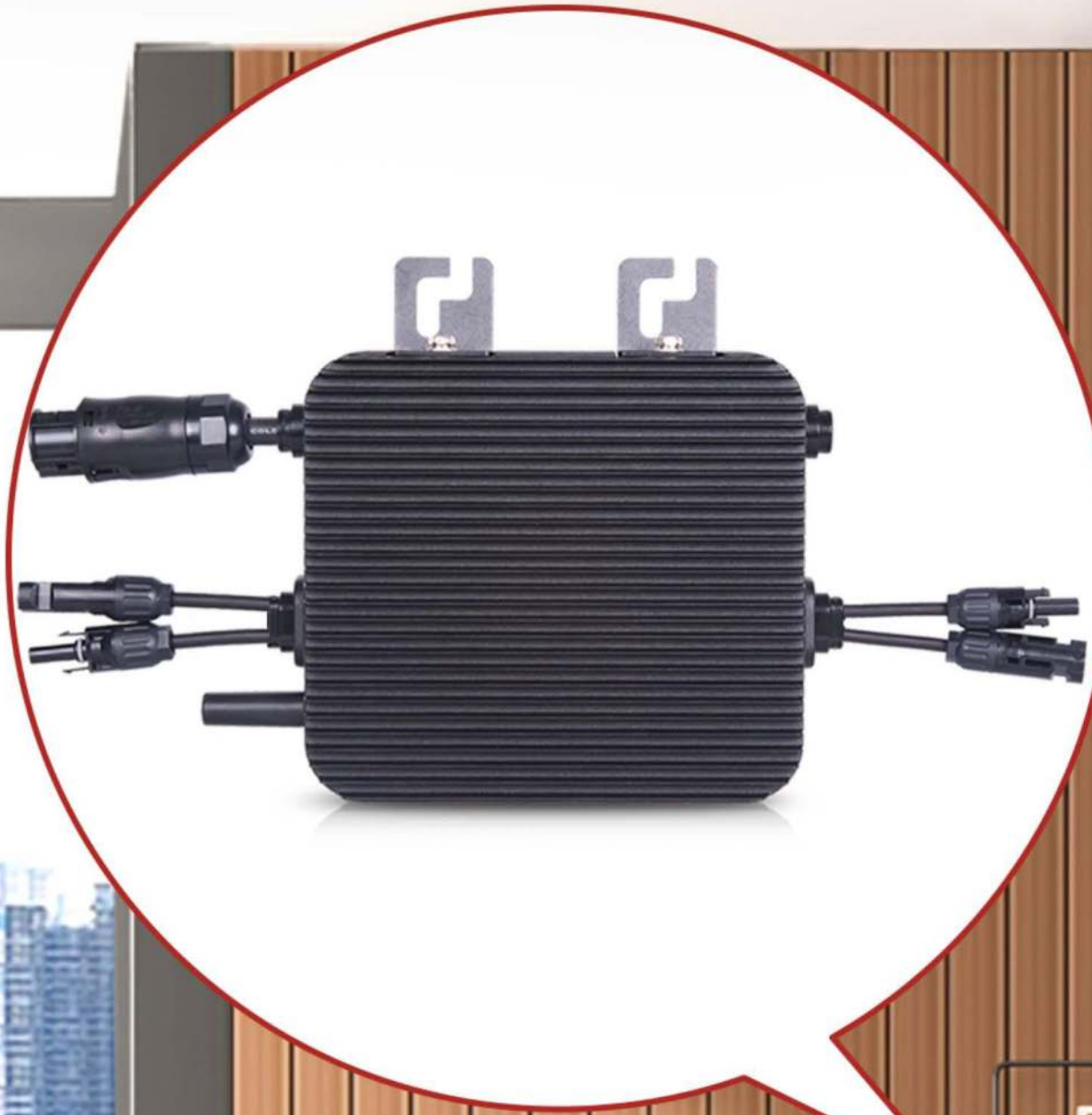
LONG LIFESPAN
Over 10 Years Lifecycles
6000+Times



Balcony Battery Storage System

Model		PE0-B2500
GENERAL	Capacity	2240wh
	Cell Chemistry	LiFe04
	Lifecycle	6000+,25°C
	Stroage Temp.	- 10°C~50°C
	Operating Temp.	- 10°C~40°C
	Material	Metal
	Weight	20± 0.5KG
	Dimensions	350*290*160mm(L*W*H)
	Battery Management System	OVP, UVP, OCP, SCP, OTP ,UTP, etc.
INPUT	PV Input	500W*2 Max
	Battery Voltage Range	44.8V
	Charge Voltage	52.5v
	Charge Current	50A
OUTPUT	DC Output	400W*2 Max
	DC Voltage Range	42V~52V
	Discharge Current	50A

600W-1000W Micro Inverter 2-1





Smart App

Free smart WIFI monitor, can be installed within 30S



Individual MPPT

2 individual MPPT trackers, max efficiency up to 99%



Flexibility

Parallel-able version optional for easy expansion



Ip67

IP67 protection, optimizes the performance, 10 years warranty.



Safety

Low starting voltage (up to 60Vdc PV input), relay integrated for better protection



DIY

Easy installation, intelligent operation, user friendly

600W-1000W Micro Inverter 2-1

Model No.	PE600M1-EU-230		PE800M1-EU-230		PE1000M1-EU-230	
DC Input Data						
Commonly used module power (W)	210 to 455W (2 Piece)		210 to 550W+ (2 Pieces)		210 to 650W+ (2 Pieces)	
Maximum input voltage (V)	60V					
MPPT voltage range (V)	25~55V					
Start-up voltage (V)	25V					
Maximum input current (A)	2×13A					
Maximum input short circuit current (A)	2×19.5A					
Number of MPPT	2					
Number of Inputs per MPPT	1					
AC Output Data						
Rated output power (VA)	600VA		800VA		1000VA	
Rated output current (A)	2.7A	2.6A	3.6A	3.5A	4.5A	4.4A
Nominal output voltage/range (V)	220V/ 180-275V	230V/ 180-275V	220V/ 180-275V	230V/ 180-275V	220V/ 180-275V	230V/ 180-275V
Nominal frequency/range (Hz)	50/48~52Hz or 60/58~62Hz					
Power factor	>0.99					
Total harmonic distortion	< 3%					
Maximum units per 13 AWG branch ²	8pcs		6pcs		5pcs	

600W-1000W Micro Inverter 2-1

Model No.	PE600M1-EU-230	PE800M1-EU-230	PE1000M1-EU-230
Efficiency			
Peak inverter efficiency	96.5%		
CEC weighted efficiency	95%		
Nominal MPPT efficiency	99%		
Night power consumption (mW)	<50mW		
Mechanical Data			
Ambient temperature range (°C)	-40~65°C		
Enclosure rating	IP67		
Cooling	Natural Cooling -No fans		
Product dimensions (W×H×D mm)	212x230x44.75mm		
Packing size (W×H×D mm)	Inner box (1pc/ctn): 440*286*68mm; Master carton(5pcs/ctn):455*305*355 mm		
Product weight. (kg, per piece)	Independent type(1pc): 4.0kg; (Parallel-able type(1pc): 3.5kgs		
G.W. per inner box (kgs)	Independent type(1pc/ctn): 4.4kg/ctn; (Parallel-able type(1pc/ctn): 4kgs		
Others			
Communication	WiFi		
Compliance	EN 50549-1: 2019, VDE-AR-N 4105: 2018, IEC62109, CEI021, VDE0126, G98, RED, CE		
Warranty	10 years		

Outdoor Portable Power Station

PEO 700 / PEO 1000 / PEO 2000 / PEO 2500



PEO-2000/PEO-2500

PRODUCT ADVANTAGES ⚡

1. Portable Convenience: high density, large capacity, high specific energy, fast and stable charging and discharging, long cycle life.
2. Safe & Durable: High Temperature Resistance Stable Performance Over-charge & Over-discharge Protection.
3. Versatile Ports: Multi-Port for Multi-Device Charging.
4. Comprehensive Protection : 2Built-in advanced protection (over-charge, over-discharge, over-voltage, over-current, overload, under-voltage, short-circuit, over-temperature)
5. Fast Recharge: Support AC charging, solar charging, car charging, and more.
6. Outdoor PV charge: Charging of energy storage by photovoltaic outdoor application, forming a small solar power generation system to realize continuous off-grid power supply and extend the power duration.
7. Outdoor use: can be used for field operations, exploration and testing and other outdoor scenarios;
8. Emergency disaster preparedness: can be used for power outage emergency, indoor party power replenishment, small rescue and relief, etc

Outdoor Portable Power Station PEO-series

PEO 700 / PEO 1000 / PEO 2000 / PEO 2500

The portable outdoor power station provides eco-friendly and sustainable green energy solutions, ideal for you to use as a backup power supply.



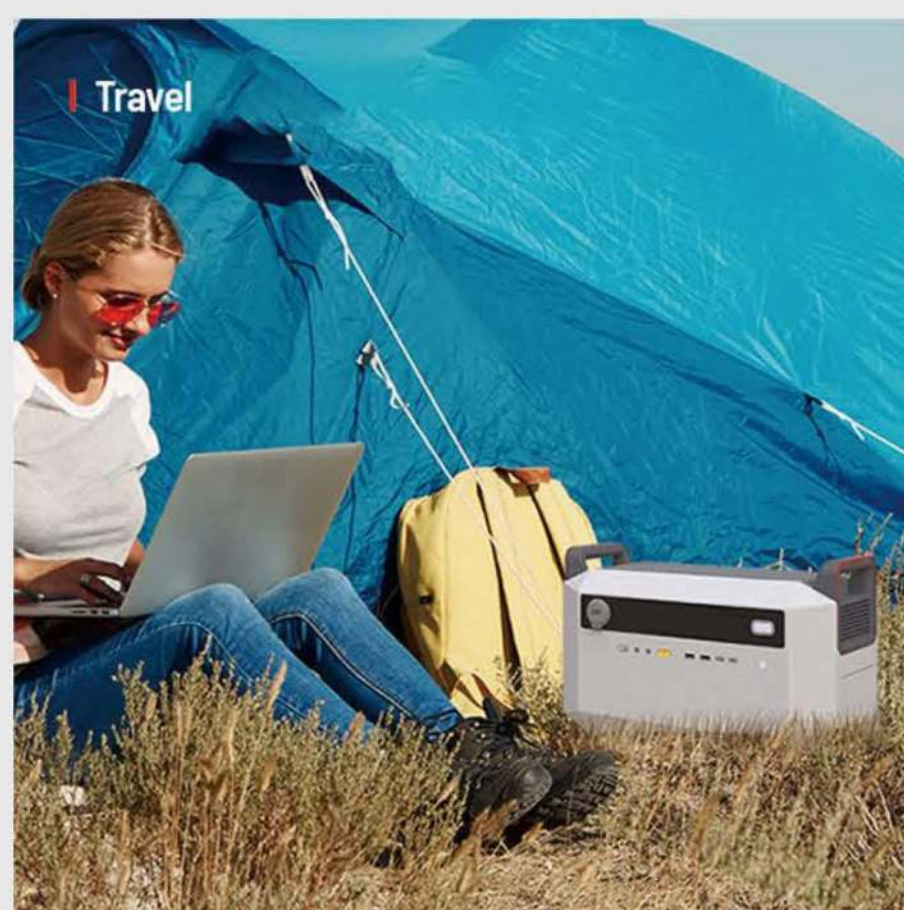
Various
Recharging Options



Ultra-long Life



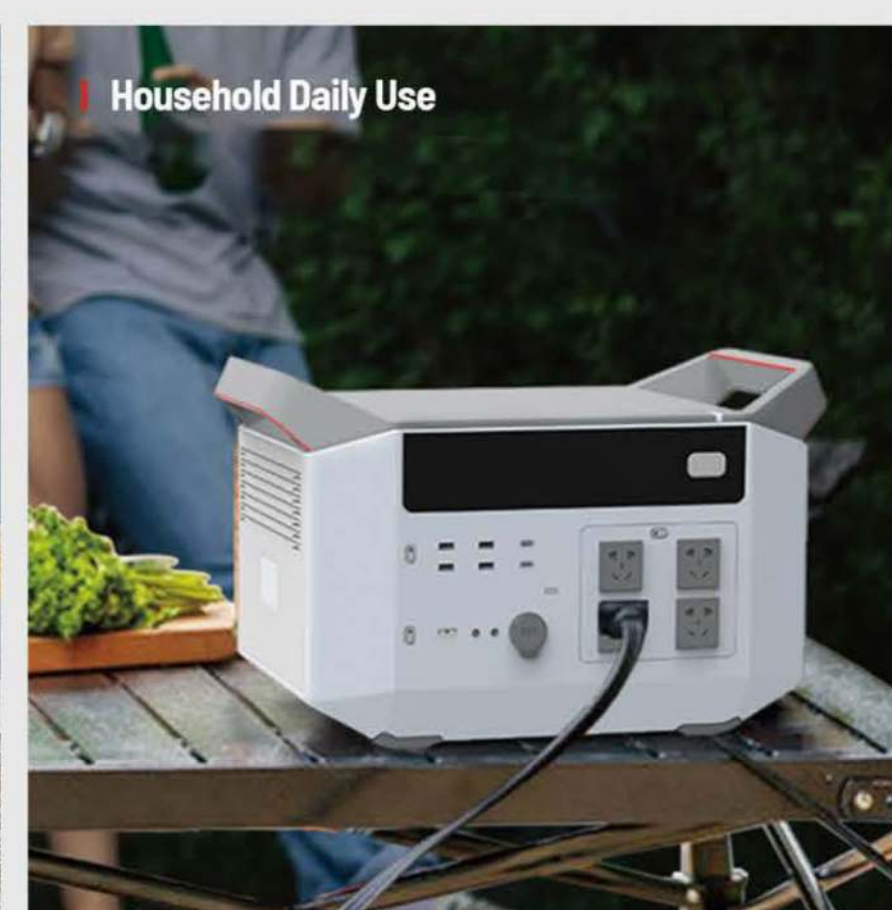
Multi-protection



Travel



Camping



Household Daily Use



Model	PEO 700	PEO 1000	PEO 2000	PEO 2500
Cell Chemistry	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate
Power	700W (1100W Peak)	1000W (1800W Peak)	2000W (3375W Peak)	2500W (4500W Peak)
Capacity	665Wh	998Wh	1872 Wh	2496 Wh
Charging Time	1.5 Hour	1.5 Hours	1.5 Hour	2.5 Hours
Charge style	AC Charger /Car Charger PV Charger	AC Charger /Car Charger PV Charger	AC Charger /Car Charger PV Charger	AC Charger /Car Charger PV Charger
AC output	220V 50Hz&110V 60Hz	230V 50Hz&60Hz	230V 50Hz&60Hz	230V 50Hz&60H
AC Output Type	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Car Outlet	13V 10A Max	12V 10A Max	13V 10A Max	13V 10A Max
DC Output	13V 3A Max	12V 3A Max	13V 3A Max	13V 3A Max
Anderson (solar charge)Input	13.2-20 400W Max	13.2-20 400W Max	13.2-40 800W Max	13.2-40 800W Max
Anderson Output	13V 10A	12V 10A	13V 15A	13V 15A
USB 3.0	18W Max 5V/3A 9V/2A 12V/1.5A	18W Max 5V/3A 9V/2A 12V/1.5A	18W Max 5V/3A 9V/2A 12V/1.5A	18W Max 5V/3A 9V/2A 12V/1.5A
TYPE-C	100W Max 5V-3A 9V/15V/20V-5A	100W Max 5V-3A 9V/15V/20V-5A	100W Max 5V-3A 9V/15V/20V-5A	100W Max 5V-3A 9V/15V/20V-5A
Product Dimension	380 x 215 x 264mm	380 x 215 x 264 mm	515 x 292 x 322mm	515 x 292 x 322 mm
Item Weight	10KG	12KG	22KG	25.5KG
Bidirectional inverter	Yes	Yes	Yes	Yes
Discharge Temperature	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C
Cycle Life	4000 cycles to 70% capacity	4000 cycles to 70% capacity	4000 cycles to 70% capacity	4000 cycles to 70% capacity
Certificate	CE/FCC/ROSH/PSE/UL2743/ETL	CE/FCC/ROSH/PSE/UL2743/ETL	CE/FCC/ROSH/PSE/UL2743/ETL	CE/FCC/ROSH/PSE/UL2743/ETL
Texture	ABS+PC	ABS+PC	ABS+PC	ABS+PC

PE0-5000
MOVABLE POWER STATION

5120Wh



5000W Max

AC Output

6000+Times

Cyclelife

LiFePO₄

Battery Cell

Expandable

Capacity

7000W Max

Solar Input

5000W Max

AC Input

PRODUCT ADVANTAGES ⚡

1. Users can work outdoors and connect mobile phones, tablet computers, notebooks and other consumer digital devices.
2. Outdoor photography, off-road lovers field electricity, TV station recording equipment outdoor power
3. Mine, oil field, geological exploration, geological disaster rescue emergency use of electricity.
4. Medical equipment, small and miniature first aid instruments, emergency electricity
5. Matching single-phase/three-phase selection and expanding equipment capacity.
6. Improving power supply reliability. In case of power failure, the reserved energy can be supplied to end users to ensure the reliability of power supply.
7. Comprehensive protection: over-charge/over-discharge, over-voltage/over-current, overload, under-voltage, short circuit, over-temperature.

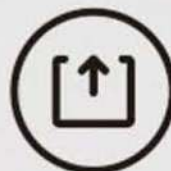
Movable Power Station PE0-series

PE0-5000

This power station adopts an innovative movable design, making charging easy and hassle-free so that you don't need to hold it, suitable for household and outdoor use.



Support Wireless Charging and PD Quick Charging



Pure Sine Wave Output



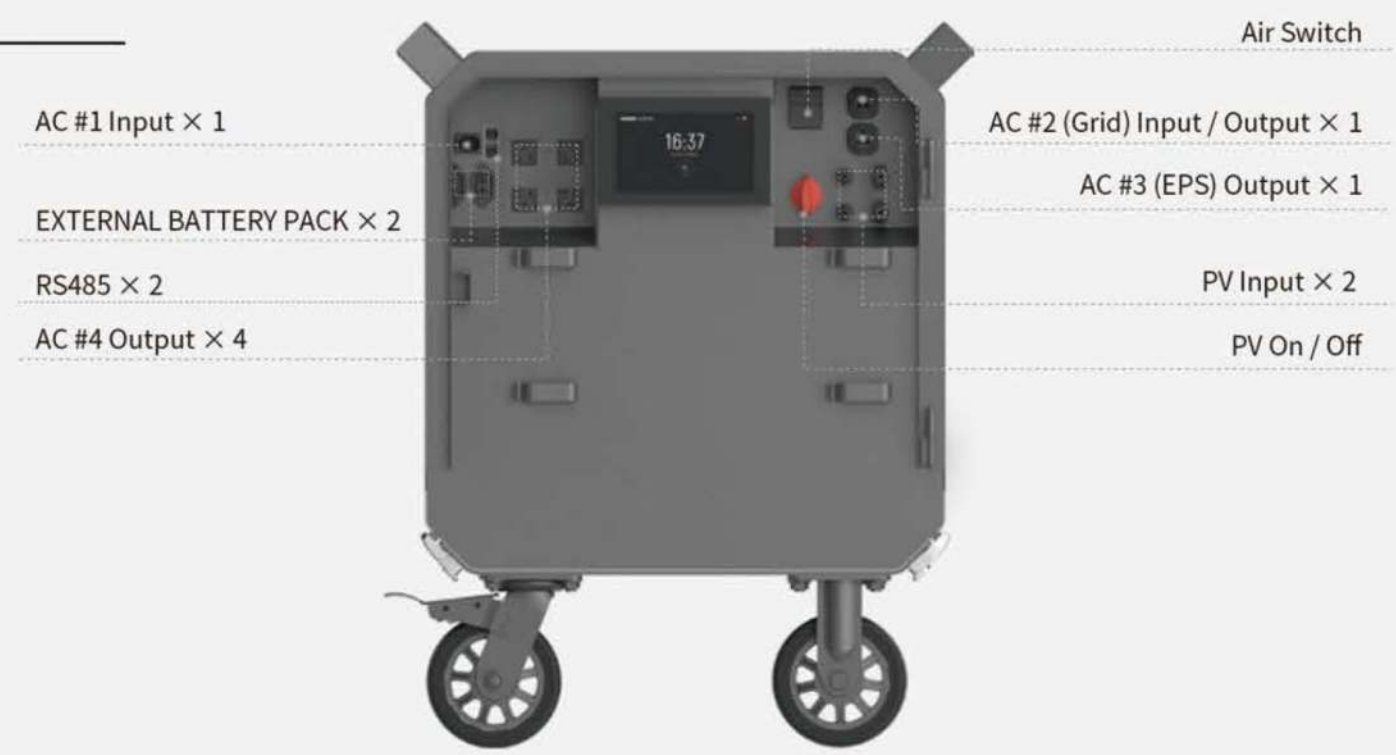
5000+ Battery Cycle Life



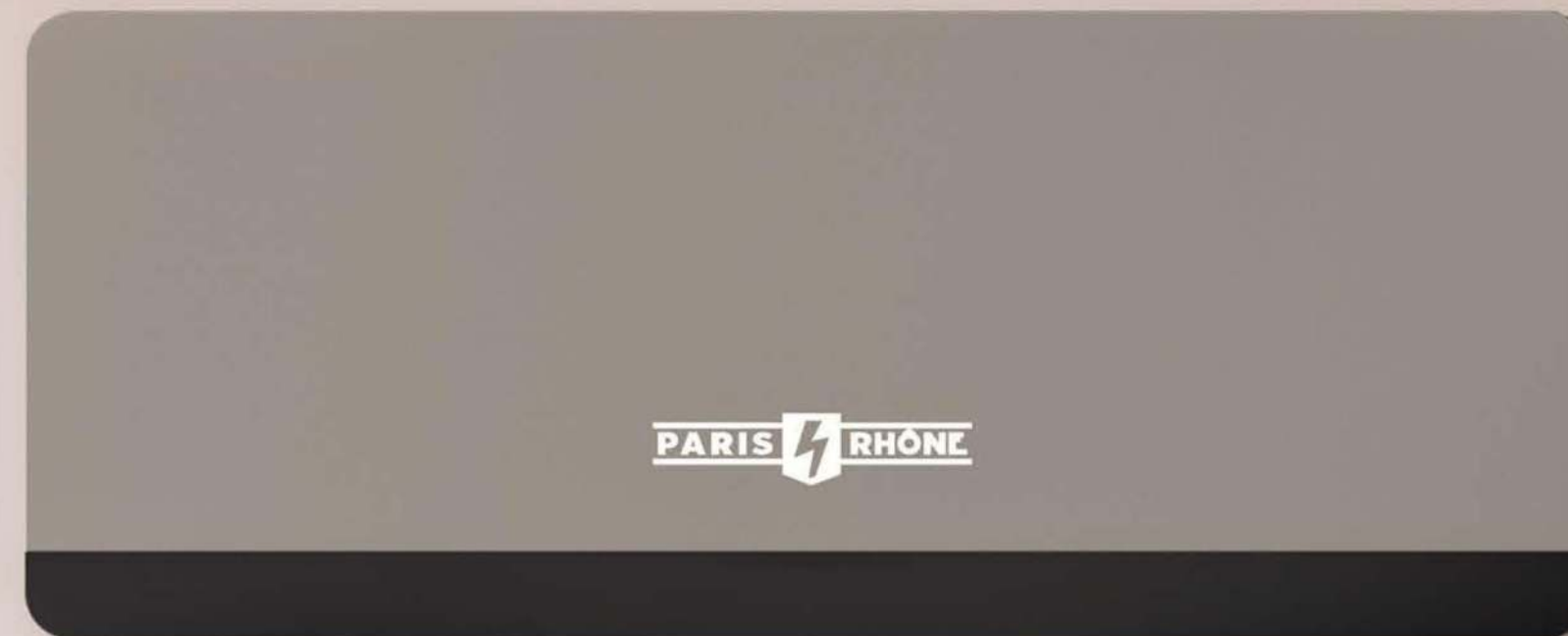
Modular Design for Paralleled Battery System



SPECIFICATIONS



Parameters		
Ac Input Spec	AC#1(Grid)	2000W Max(220~240V@50Hz/60Hz)
	AC#2(Grid)	5000W Max(220~240V@50Hz/60Hz)
Pv Input Spec	Max. Input Power	7.0kW
	Max. Input Current	14A/14A
	MPPT Range/Nominal Voltage	125V~500V/360V
Battery Spec	Battery Voltage Range	44V~58.4V
	Max. Charging Voltage	58V
	Charge/Discharge Current	95A/104.2A
	Single Module Capacity	5120Wh
	Battery Type	LiFeO4
AC Output	Rated Power	5.0 kW
	Nominal Voltage/ Range	230V/176V~270V(Max. Output Current21.7A)
	Frequency	50/60Hz
	THDI	<3%
	Power Factor	0.99(Leading~0.99 Lagging)
	AC Output Topology	L+N+PE
Other Spec	Euro Efficiency	97%
	Protection Standard	IP65 (Outdoor)
	Cooling Method	Natural Convection
	Dimensions	722mm*399mm*809mm(L*W*H)
	Weight	95kg
	Altitude	≤2000m
	Operating Temperature	0-55°C
	Humidity	5%-95%
	Lifespan	10+ Years (55°C/77°F)
	Electromagnetic Compatibility	EN61000-6-1/-2/-3/-4
	Grid Regulation	AS4777.2/CEI0-21/G99/G100/NRS097/EN50549/PEA
	Certificate	IEC 62109/IEC 620



BYD Blade Battery Storage



Ultra-thin design,
No higher design



Long cycle life 6000+ times,
High-quality LFP cells



Intelligent battery
management system



High safety of BYD blade battery module,
System double safety multiple
protection design



Support a variety of communication
protocols, support RS485, RS232,
CAN etc.



Compatible with
a variety of inverters

Compatible Inverter:

GROWATT

Deye

MEGAREVO

GOODWE
Smart Energy Innovator

SRNE

Voltronic Power
Advancing Power

SERMATEC

solis

SOROTEC
Power Solutions Expert

victron energy
BLUE POWER

PEX-WM6.66 for On-grid Solution Wall-mounted Battery

Model	PEX-WM6.66
Battery voltage	51.2V(16series)
Capacity	130AH
Storage Power	6660WH
Internal Resistance(AC)	$\leq 30\text{m } \Omega$
Cycles	≥ 5000 cycles @ 80% DOD, 25°C, 0.5C ≥ 4000 cycles @ 80% DOD, 40°C, 0.5C
Life	≥ 10 years
Charging Voltage	56.0V $\pm$ 0.5V
Working Current	120A
Discharge Cut-off Voltage	45V $\pm$ 0.2V
Charging Temperature	0°C-60°C
Discharging Temperature	-20°C~60°C
Storage Temperature	-40°C-55°C@60%+25% relative humidity
Dimension	141x436 x1078mm
Weight	65kg
Communication	RS232-PC,RS485(B)-PC RS485(A)-Inverter,Canbus-Inverter
No. in Parallel	6 packs in parallel at most
Certification	UN38.3 MSDS UL1973(Cell) IEC62619(Cell)

Portable Solar Panel

The portable solar panel adopts a shingling manufacturing process that can effectively improve the connection between battery cells, portable to carry and charge the power station.



Foldable
Structure



Shingling
Manufacturing Process



Low Hot
Spot Effect



Environmentally-
friendly



PRODUCT ADVANTAGES ⚡

1. Folding photovoltaic modules, whose lightweight quality makes them ideal for a variety of uses.
2. In outdoor activities, folding photovoltaic modules can supplement electric energy and facilitate outdoor mobile power supply.
3. Multiple components can be used in series or parallel to adapt to various scenarios.

Items	Parameters	Parameters
Product Model	120W-ETFE-Solar panel	200W-ETFE-Solar panel
Product Size	1722×520×30mm/Unfold 520x480x30mm/Folded	2075×681×30mm/Unfold 681x575x30mm/Folded
Pmax	120W±3%	200W±3%
Voc	24.57V	22.95V
Isc	6.11A	11.66A
Vmp	22.23V	19.48V
Imp	5.40A	10.57A
Output	MC4 Output	MC4 Output
Weight	4100g	8120g
Color	Black/Grey	Black
Warranty	1 year	1 year
Working Temperature	-10℃~+65℃	-10℃~+65℃

HIGH-VOLTAGE BESS

-  Support a variety of communication protocols, support RS485, RS232, CAN etc.
-  Easy installation, stackable design without cable between batteries.
-  Wide compatibility to match leading inverter brand in the market.
-  LiFePO4 cells, has both low and high voltage spec.
-  Flexible capacity options with 10.2kWh-30.7kWh(2-6 units).
-  IP65 protection rated, suitable for indoors and outdoors.



HIGH-VOLTAGE BESS SPCIFICATIONS			
Battery Module	1*PEB-C5000 2*PEB-B5000	1*PEB-C5000 3*PEB-B5000	1*PEB-C5000 4-6*PEB-B5000
Module No.	2	3	N(3<N≤6)
Energy Capacity	10.2kWh	15.3kWh	5120Wh"N
Dimension	590”380*545mm	590*380*720mm	590*380*（195+175*N)mm
Weight	80kg	115kg	150kg-220kg
Max Charge (Battery Pack Clusters)	50A	50A	50A
Max Discharge(Battery Pack Clusters)	50A	50A	50A
General Info			
Battery Type	LiFePO ₄		
Nominal Voltage	102.4V（Single Battery Module)		
Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc		
Voltage Range for Battery Modules	(92.8V~116.8V)*N(2≤N≤6)		
Charge Volatge	(96V-113.6V)*N(2≤N≤6)		
DoD	90%		
Network Interface	RS485/Can		
Series Connection No.	2~6		
Cyclelife	6000+		
Warranty	10Years		
Environment			
Altitude	≤2000m		
Storage Humidity	5%~95%		
Protection Rated	IP65		
Storage Temperature	-20℃-60℃		
Discharge Temperature	0℃-50℃		
Charge Temperature	0℃-50℃		
Compliance			
Safety	CB IEC62619:2017		
	1EC 63056:2020		
	CE LVD EN62477-1		
	CE EMC EN61000-6-1/2/3/4:2017		
	ANSI/CAN/UL1973:2022		
	UK Conformity Assessed		
	VDE 2510-50		
Transportation	UN38.3(ST/SG/AC.10/11/Rev.7/Amend.1 Part III sub-section 38.3)		
Health & Environment	RoHs Directive2011/65/EU/2015/863		

LOW-VOLTAGE BESS

Features:

- Easy installation, stackable design without cable between batteries.
- Wide compatibility to match leading inverter brand in the market.
- LiFePO4 cells, has both low and high voltage spec.
- Flexible capacity options with 10.2kWh~30.7kWh(2~6 units)
- IP65 protection rated, suitable for indoors and outdoors.



LOW-VOLTAGE BESS SPCIFICATIONS			
Battery Module	1*PEB-C5000L 2*PEB-B5000L	1*PEB-C5000L 3*PEB-B5000L	1*PEB-C5000L 4-6*PEB-B5000L
Module No.	2	3	N(3<N≤6)
Energy Capacity	10.2kWh	15.3kWh	5120Wh"N
Dimension	590’’380*545mm	590*380*720mm	590*380*（195+175*N)mm
Weight	72kg	107kg	142kg-212kg
Max Charge(Battery Pack Clusters)	200A	200A	200A
Max Discharge(Battery Pack Clusters)	200A	200A	200A
General Info			
Battery Type	LiFePO4		
NominalVoltage	51.2V		
Battery Management System	OVP,UVP,OCV,SCP,OTP,UTP,etc		
Voltage Range for Battery Modules	44V~58.4V		
Charge Volatge	52.5V~59.4V		
DoD	90%		
Network Interface	RS485/Can		
Parallel Connection No.	2~6		
Cyclelife	6000+		
Warranty	10Years		
Environment			
Altitude	≤2000m		
Storage Humidity	5%~95%		
Protection Rated	IP65		
Storage Temperature	-20℃-60℃		
Discharge Temperature	0℃-50℃		
Charge Temperature	0℃-50℃		
Compliance			
Safety	CB IEC62619:2017		
	1EC 63056:2020		
	CE LVD EN62477-1		
	CE EMC EN61000-6-1/2/3/4:2017		
	ANSI/CAN/UL1973:2022		
	UK Conformity Assessed		
	VDE 2510-50		
Transportation	UN38.3(ST/SG/AC.10/11/Rev.7/Amend.1 Part III Sub-section 38.3)		
Health & Environment	RoHs Directive2011/65/EU/2015/863		

Parisrhône Energy Storage Brochure

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Facebook



Instagram



Linkedin



Website