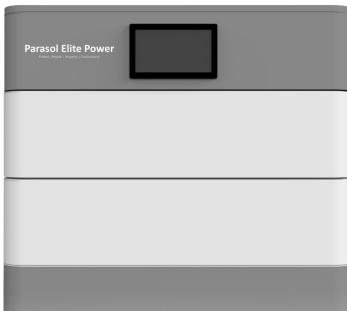




PEP INVERTER-8kW

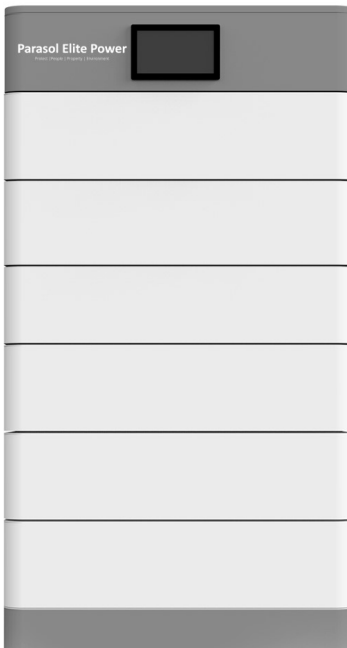
PEP 2 Series Systems



PEP 2-10kW with 8kW inverter



PEP 2-20kW with 8kW inverter



PEP 2-30kW with 8kW inverter

PEP 2-10kW

NORMAL

Model	PEP 2-10kW
Battery Type	LiFePO4(LFP)
Nominal Voltage(V)	51.2V
Nominal Capacity(WH)	10.85KWH
Usable Capacity(WH)	9.76KWH
Design Life	10+ Years (25°C/77F)
Physical	
Dimension(inches)	23.6*15.7*21.65
Weight(lbs)	260

ELECTRICAL

Cycle Life	>6000. 25°C
Discharge Voltage(V)	40 - 48
Charge Voltage(V)	56 - 58.4
Charge/Discharge Current(A)	80A (Recommended) 100A(Max)
Internal Resistance	≤30mΩ

BMS

Power Consumption	<2W (Work) < 100mW(Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, module temperature
SOC	Intelligent algorithm
Communication	CAN/RS-485/RS-232

OPERATION

Operating Temperature Range	-10°C - 50°C
Transport or Storage Temperate Range	-20°C - 45°C
Humidity	15% - 85% (No Condensing)

WARRANTY

Product Warranty	10Years
Performance Warranty	10Years

PEP 2-20kW

STANDARD

Model	PEP 2-20kW
Battery Type	LiFePO4(LFP)
Nominal Voltage(V)	51.2V
Nominal Capacity(WH)	21.7KWH
Usable Capacity(WH)	19.53KWH
Design Life	10+ Years (25° C/77F)
Physical	
Dimension(inches)	23.6*15.7*31.5
Weight(lbs)	472

ELECTRICAL

Cycle Life	>6000. 25° C
Discharge Voltage(V)	40 - 48
Charge Voltage(V)	56 - 58.4
Charge/Discharge Current(A)	80A (Recommended) 100A(Max)
Internal Resistance	≤30mΩ

BMS

Power Consumption	<2W (Work) < 100mW(Sleep)
Monitoring Parameters	System voltage, current, cell voltage,cell temperature, module temperature
SOC	Intelligent algorithm
Communication	CAN/RS-485/RS-232

OPERATION

Operating Temperature Range	-10℃ - 50℃
Transport or Storage Temperate Range	-20℃ - 45℃
Humidity	15% - 85% (No Condensing)

WARRANTY

Product Warranty	10Years
Performance Warranty	10Years

PEP 2-30kW

STANDARD

Model	PEP 2-30kW
Battery Type	LiFePO4(LFP)
Nominal Voltage(V)	51.2V
Nominal Capacity(WH)	32.5KWH
Usable Capacity(WH)	29.3KWH
Design Life	10+ Years (25° C/77F)
Physical	
Dimension(inches)	23.6*15.7*43.3
Weight(lbs)	648

ELECTRICAL

Cycle Life	>6000. 25° C
Discharge Voltage(V)	40 - 48
Charge Voltage(V)	56 - 58.4
Charge/Discharge Current(A)	80A (Recommended) 100A(Max)
Internal Resistance	≤30mΩ

BMS

Power Consumption	<2W (Work) < 100mW(Sleep)
Monitoring Parameters	System voltage, current, cell voltage,cell temperature, module temperature
SOC	Intelligent algorithm
Communication	CAN/RS-485/RS-232

OPERATION

Operating Temperature Range	-10℃ - 50℃
Transport or Storage Temperate Range	-20℃ - 45℃
Humidity	15% - 85% (No Condensing)

WARRANTY

Product Warranty	10Years
Performance Warranty	10Years



Parasol Elite Power Hybrid Inverters

PEP INVERTER-8kW
8kW Output Power

PEP INVERTER-10kW
10kW Output Power

PEP INVERTER-15.6kW
15.6kW Output Power



Flexible

Wide input voltage range. Compatible with lead-acid or lithium-ion batteries or other battery



Reliable

Compatible anti counter flow function. Battery reverse connect protection.



Advanced

Intelligent energy management system for home. Power dispatching and demand side response management. Distributed virtual power station management.



Grace

Fashion appearance, light weight, smart operation. Natural cooling, low noise. IP65 , wall mounted design, saving space. Touch screen LCD.

Parasol Elite Power

Protect | People | Property | Environment

Website: www.parasolelitepower.com

Email: eliteservice@parasolelitepower.com

SPECIFICATIONS

Model		PEP INVERTER-8kW
Efficiency	Max Efficiency	>=98.2%
	CEC Efficiency	>=97.2%
On Grid AC Output	Rate AC Output Power	8KVA
	AC Output Voltage	120/240Vac(split phase), 208Vac(2/3 phase),230Vac(single phase)
	AC Output Frenquecny	50/60HZ
	Grid Type	Split phase、 2/3 phase、 Single Phase
	Max Output Current	38.3A
	AC Reverse Charging	Yes
	PF	0.8leading.. .0.8lagging
	Output TH DI	< 2%
Back-up AC Output	Rated Backup Output Power	8KVA
	Max Backup Output Power	10kVA 60S. 12KVA 1S
	Backup AC Output Voltage	120/240Vac(split phase), 208Vac(2/3 phase),230Vac(single phase)
	AC Frenquency	50/60HZ
	Output TH DI	<2%
PV Input	PV input power	12KW
	MPPT number	4
	PV voltage range	350V/85V - 500V
	MPPT voltage range	120V-500V
	Single MPPT input current	12A
Battery	Max charging/discharging current	190A/190A
	Battery Voltage range	48V
	Battery Type	Lithium-ion,Lead-acid
Protection	Ground protection	Yes
	AFCI protection	Yes
	Islanding protection	Yes
	DC disconnect detection	Yes
	Battery Fteverse protection	Yes
	Battery charge and discharge protection	Yes
	Insulation testing	Yes
	GFCI	Yes
	DC anti-thunder	Yes
	AC anti-thunder	Yes
	Input overvoltage&under-voltage protections	Yes
	Output overvoltage&under-voltage protections	Yes
	AC&DC over-current protection	Yes
	AC short-circuit current protection	Yes
	Overheating protection	Yes
General Data	Operation Temperature range	-25~ +60°C
	Environment humidity	0-95%
	Altitude	0-4000M (over 2000M derating)
	IP rank	IP65/NEMA 3R
	Weight	32kg
	Dimension(W*H*D) (mm)	530x 660 x 200
	Cooling	Fan Cooling
	Noise(dB)	<29dB
	Display	LCD
	Communication	Modbus, RS485, WIFI,4G
	Safty	EN61000-6-1, EN61000-6-3, FCC 15 class B
	EMC	IEC62109-1, IEC62109-2
	On Grid	UL1741,IEEE1547,RULE21,VDE 0126,AS4777,NRS2017,G98,G99

Parasol Elite Power

Protect | People | Property | Environment

Website: www.parasolelitepower.com

Email: eliteservice@parasolelitepower.com

SPECIFICATIONS

Model		PEP INVERTER-10kW	PEP INVERTER-15.6kW
PV input	PV input power	10kw	15.6kw
	MPPT number	4	
	Start-up voltage	120	
	MPPT voltage range	125 - 500V	
	Max PV input voltage	500V	
	Each MPPT input current	12A	
AC output (on grid)	Rated AC output	±120/240V 7.6KVA	±120/240V 12KVA
	AC output voltage	211~264V@240V	
	AC output frequency	50/60Hz (45 to 54.9Hz / 55 to 65Hz)	
	Max output current	34.5A	50A
	AC reverse charging	Yes	
	Power factor	0.8leading...0.8lagging	
	THDI	< 2%	
Backup AC output	Rated Backup output power	7.6KVA	12KVA
	Max backup output power	9.5kVA 60S. 11.4KVA 1S	15KVA 60S. 18KVA 1S
	Backup AC output voltage	110-120/220-240 split phase	
	AC Frequency	50/60Hz	
	Output THDI	< 2%	
Battery	Max charge&discharge current	80 A / 80 A	
	Battery voltage range	85V~400V	
	Battery capacity range	6.6 to 66 kWh	
	Battery type	Lithium/Lead-acid	
	Communication	CAN,RS485	
Efficiency	Max efficiency	≥98.2%	
	CEC efficiency	≥97.2%	
Protection	Complete Protection	Ground protection;AFCl protection;islanding protection;DC disconnect detection;Battery Reverse protection; Battery charge and discharge protection;insulation testing;GFCI;DC&AC anti-thunder;Overvoltage and under-voltage protections;AC&DC over-current protection;AC short-circuit current protection;overheating protection	
GeneraData	output conduit size	25.4mm	
	PV input conduit size	25.4mm	
	Battery input conduit size	34.5mm	
	Temperature range	-25 ~ +60°C	
	Environment humidity	0-95%	
	Altitude	0~4000M (Derating when over 2000m)	
	IP Grade	IP65	
	Weight	30kg	
	Dimension (W x H x D)	530x 660 x 200mm	
	Cooling	Natural cooling	
	Noise emission(dB)	<25dB	<29dB
	Display	LCD	
	Communication	Modbus, RS485,WIFI,4G	
	Self-consumption at night	< 2.5 W (with battery enabling < 5 W)	
	No transformer	YES	
	Safety	UL1741SA all options, UL1699B, CSA 22.2	
	EMC	FCC Part 15 ClassB	