

CEA[®]



CB FC CE

Safe
Reliable
Long Life

Portable Power Station



LiFePO4 Battery EE Series

CEA ELECTRIC CO.,LTD

Company Profile

CEA ELECTRIC CO.,LTD



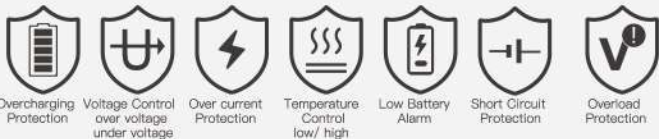
CEA Electric Co.,Ltd., founded in 2008, is a company focusing on energy storage power supply and solutions, integrating product R & D, production and sales. It is rewarded as national green factory, national green supply chain enterprise, national "little giant company" (focus on a market niche and master key technologies with strong innovation capacity), national high-tech enterprise and national intellectual property advantage enterprise.

CEA is a global leader in the fields of photovoltaic energy storage integration and off-grid independent power supply systems. It provides energy storage products with stable performance and excellent quality and integrated after-sales services in remote areas or in the environment where mains electricity cannot be accessed, so as to provide customers with reliable living power guarantee.

The lithium iron phosphate battery portable outdoor energy storage power supply and household emergency energy storage power supply developed by CEA have obtained the certificates of ETL, TUV and PSE, etc. They have the characteristics of safety and reliability, ultra-long life span, multi-way charging, long battery life, and environmental protection.

We believe that CEA energy storage off-grid power supply system is one of the best programs to meet people's independent power supply needs, and it contributes to clean energy, low-carbon, environmental protection and realization of human sustainable development.

CEA Portable Power Station



Portable Power Station

CEA power station has the following characteristics:

Long operating hours, long life time:

LiFePO4 battery cell, safe and reliable, high battery recycle times, long service life, excellent quality, multiple charging ways, small size and lightweight, convenient to take around.

Strict quality control:

Incoming quality control, sub-capacity, cell test, PCB test, semi-finished product test, aging test, finished product test, finished product inspection, QA sampling

Multiple use occasions, multiple devices compatible

Could be used as household back up energy, outdoor live broadcast energy, camping energy, night market energy.

Support with MPPT solar board, built-in SEC technology and BMS, ensure the safety.

Smart operating control, smart LCD display.

Pure sine wave inverter, reliable output:

Smart protection includes: overcharge protection, low voltage protection, short circuit protection, over current protection, high and low temperature protection.

Application:

TV, Projector, Juicer, MINI Fridge, Rice cooker, Oven, Printer, Drone, Beauty lamp, Audio, Fan, Cutting machine, Electric drill, Camera, Camping lamp, CPAP etc.



Product Parameters



300W-Black



300W-Yellow

Model	EE300-160WH-1BK	EE300-290WH-1BK
Color	Black/Yellow	
Battery Capacity	160Wh	290Wh
Rated Power	300W	300W
Peak Power	600W	600W
Charging Power	37.8W 12.6V 3A External Adapter Constant-current Voltage 5521 Interface	
Charging Time	About 4.4H	About 7.8H
Output	AC	Universal Socket*1; 220V, 50Hz Modified Sine Wave
	DC	5521*1 9V 12V 3A
	USB-A	USB-A*3 15W 5V3A
Flashlight	Light 1x 1W	
Accessory	Power cord 1*48cm, Car charging wire 1*131cm	
Size(mm)	L285 x W120 x H260	
Net weight	2.2 KGS (4.85 LBS)	2.9 KGS (6.393 LBS)

Product Parameters

Product



500W



1000W



1500W

Model	EE500-480WH-1YE	EE1000-960WH-1YE	EE1500-1280WH-1YE
Color	Yellow/Green/Black	Yellow/Green/Black	Yellow/Green/Black
Battery Capacity	480Wh	960Wh	1280Wh
Rated Power	500W	1000W	1500W
Peak Power	1000W	2000W	3000W
Input	Wall Charger	100W 20V 5A External Adapter	320W 40V 8A External Adapter
	Solar Panel	100W(11~23V 5A)	240W(11~60V 10A) WITH MPPT
AC Option	2*sockets, british socket pure sine wave 220V, 50Hz		
Output	DC	2 * 5521 , 12V 10A 1 * cigarette lighter, 12V 10A	
	USB-A	2x Independent 18W 9V2A 12V1.5A	2x Independent 18W 9V2A 12V1.5A
	Type-C	C1	Single Discharge 30W 5V3A 9V3A 12V2.5A 15V2A
C2		Single Discharge 30W 9V3A 12V2.5A 15V2A	Single Discharge 100W 5V3A 9V3A 12V3A 20V5A
Wireless Charger	1x 10W		
LED Work Light	1*2W		
Flashlight	1*2W		
Accessory	Power cord 1*48cm, Car charging wire 1*131cm		
Size(mm)	L298 x W220x H213	L378 x W265x H239	L378 x W265x H239
Net weight	7.0 KG (15.43 LBS)	11.0 KG (24.25 LBS)	13.0 KG (28.66 LBS)

Product Parameters



500W



1000W

Model	SPS 500-40	SPS 1000-100
Color	Black	
Battery Capacity	480Wh	1200Wh
Rated Power	500W	1000W
Peak Power	1000W	2000W
Input Wall Charger	146W 14.6V 10A Internal Charger	292W 14.6V 20A Internal Charger
Charging Time	About 4.5H	About 5.0H
Output	AC	3 * Sockets, 220V, 50Hz Pure Sine Wave
	USB-A	5V 2.1A
Ambient Temperature Range	-10~40 °C	
Accessory	Charging power cord 1*100cm, Hexagon wrench *1	
Size(mm)	L350 x W300 x H275	L430 x W340 x H345
Net weight	21.0 KGS (46.29 LBS)	41 KGS (90.39 LBS)

Product Parameters



3000W



5000W

Model	EE3000-3072WH-1BK	EE5000-5120WH-1BK	
Color	Black		
Battery Capacity	3072Wh	5120Wh	
Rated Power	3000W	5000W	
Peak Power	6000W	10000W	
Input	Wall Charger	2200W built-in adapter (220V 10A)	
	Solar Panel	Max 3000W(120-450V 22A) with MPPT	Max 4500W(120-450V 22A) with MPPT
	Car Port	10-40V 100W	
Output	AC	4 sockets, universal plug 10A*3 L6-30R*1	
	DC	2 * 5521, 12V 10A	1 * cigarette lighter, 12V 10A
	USB-A	4*18W : 5V3A 9V2A 12V1.5A	
	Type-C	C1	5V3A 9V3A 12V3A 15V3A 20V5A
	C2	5V3A 9V3A 12V3A 15V3A 20V5A	
Communication Interface	RS485		
Accessory	Power cord 1*48cm, Car charging wire 1*131cm, Anderson Port *1, Hexagon Wrench *1		
Size(mm)	L849 x W700x H756	L849 x W700x H776	
Net weight	97.5 KGS (215 LBS)	114 KGS (251.3 LBS)	

Product Parameters



6000W



10000W

Model	EE3000-6144WH-1BK	EE5000-10240WH-1BK
Color	Black	
Battery Capacity	6144Wh	10240Wh
Rated Power	3000W	5000W
Peak Power	6000W	10000W
Input	2200W built-in adapter (220V 10A)	
Wall Charger		
Solar Panel	Max 3000W(120-450V 22A) with MPPT	Max 4500W(120-450V 22A) with MPPT
Output	4 socket, Universal Plug 10A*3 L6-30R*1	
AC		
DC	2 * 5521, 12V 10A	1 * cigarette lighter, 12V 10A
USB-A	4*18W : 5V3A 9V2A 12V1.5A	
Type-C C1	100W: 5V3A 9V3A 12V3A 15V3A 20V5A	
Type-C C2	100W: 5V3A 9V3A 12V3A 15V3A 20V5A	
Communication Interface	RS485	
Accessory	Power cord 1*48cm, Car charging wire 1*131cm, Anderson Port *1, Hexagon Wrench *1	
Size(mm)	L856 x W710x H1105	L856 x W710x H1105
Net weight	140 KGS (308.6 LBS)	165 KGS (363.8 LBS)

Product Parameters



9216Wh



15360Wh

Model	EE-BA-9216WH	EE-BA-15360WH
Color	Black	
Battery Capacity	9216Wh	15360Wh
Communication Interface	RS485	
Size(mm)	L792 x W710x H1228	
Net weight	160 KGS [352.7 LBS]	190 KGS [418.8 LBS]

Expandability

Add batteries or link entire units together, to enlarge the power system!
Add up to 6 expansion batteries for a total of 30720Wh of battery storage.

Capacity Expansion System

UP TO 30KWH



5120Wh

+

5120Wh



CEA Portable Power Station

5KW 5120WH

Functional Parameters



CEA's mission is to provide solutions on human's requirement of power usage in an environmentally friendly and sustainable way, which does no harm to our planet. Our portable power station EA5000-5120WH-1YE, 5KW/5120W[®] is designed with LiFePO4 battery, which can replace 5 KW gasoline generator. It can be used in different occasions, but with less noise. Matching with solar board charging, it is an eco way to produce energy without pollution.

Product Parameters



10kw/20kwh



10kw/40kwh

Model	EA10000-20KWh-1GY	EA10000-40KWh-1GY
Color	Grey	
Battery Capacity	20KWh	40KWh
AC output voltage [nominal]	120V / 240V	
Grid frequency	50/60Hz	
Total Energy	20.48KWh	40.96KWh
Usable energy	19.6KWh	39.5KWh
Real power, max continuous	10kw	
Real power, peak [10S, off-grid/standby]	20000VA [1-2S]	
Apparent power, maximum continuous	10000VA	
Apparent power, peak [10S, off-grid/backup]	20000VA [1-2S]	
Warranty	5 YEARS	
Operating temperature	-10-45°C	
Operating humidity(RH)	≤80%	
Size(mm)	L793 x W663x H970	L793 x W663x H1500
Weight	250 KGS (551.2 LBS)	430 KGS (948 LBS)

SOLAR PANEL SPECIFICATIONS

SOLAR PANEL 100W

SPECIFICATIONS

MODEL NO.	SP1-100-2
RATED MAXIMUM POWER	100W
VOLTAGE AT P _{MAX} (V _{MP})	20.5V
CURRENT AT P _{MAX} (I _{MP})	4.88A
OPEN-CIRCUIT VOLTAGE(V _{OC})	24.19V
SHORT-CIRCUIT CURRENT(I _{SC})	5.37A
UNFOLDED DIMENSION(MM)	1082*570*10
FOLDED DIMENSION(MM)	570*541*25
NET WEIGHT(KG)	3
SUITABLE FOR	EA500



100W



FOLDED



UNFOLDED

SOLAR PANEL 240W

SPECIFICATIONS :

MODEL NO.	SP1-240-4
RATED MAXIMUM POWER	240W
VOLTAGE AT P _{MAX} (V _{MP})	20.5V
CURRENT AT P _{MAX} (I _{MP})	11.71A
OPEN-CIRCUIT VOLTAGE(V _{OC})	24.19V
SHORT-CIRCUIT CURRENT(I _{SC})	12.88A
UNFOLDED DIMENSION(MM)	2655*600
FOLDED DIMENSION(MM)	600*600*70
NET WEIGHT(KG)	7.2
SUITABLE FOR	EA1000, EA1500



400W



FOLDED



UNFOLDED

SOLAR PANEL 400W

SPECIFICATIONS :

MODEL NO.	SP1-400-4
RATED MAXIMUM POWER	400W
VOLTAGE AT P _{MAX} (V _{MP})	80V
CURRENT AT P _{MAX} (I _{MP})	5A
OPEN-CIRCUIT VOLTAGE(V _{OC})	94.4V
SHORT-CIRCUIT CURRENT(I _{SC})	5.5A
UNFOLDED DIMENSION(MM)	2935*822*6
FOLDED DIMENSION(MM)	822*790*30
NET WEIGHT(KG)	14.8
SUITABLE FOR	EA3000

SOLAR PANEL 560W

SPECIFICATIONS :

MODEL NO.	SP1-560-8
RATED MAXIMUM POWER	560W
VOLTAGE AT P _{MAX} (V _{MP})	160V
CURRENT AT P _{MAX} (I _{MP})	3.5A
OPEN-CIRCUIT VOLTAGE(V _{OC})	188V
SHORT-CIRCUIT CURRENT(I _{SC})	3.85A
UNFOLDED DIMENSION(MM)	4868*730*6
FOLDED DIMENSION(MM)	730*540*100
NET WEIGHT(KG)	19
SUITABLE FOR	EA5000

CEA Portable Power Station

Application



CEA Portable Power Station

Power supply duration of equipment



Drone(40Wh)



Projector(60W)



Laptop(58Wh)



FAN(40W)



Smart Speaker(10W)



Car Refrigerator(60W)



Microwave
Oven(1300W)



Lamps(30W)



TV(110W)



Coffee Maker
(1000W)



Percussion Drill
(1080W)



Rice Cooker
(1000W)



Camera(7.3Wh)



Refrigerator(65W)



Hair Drier(1600W)



Phone(11.8Wh)



Ground Crusher(1200W)



Electric Saw(1200W)

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CEA Portable Power Station



What is Portable Power Station?

CEA Portable Power Station is a reliable battery-powered storage system coming in different sizes and power capacities to meet your needs. With multiple outlets like AC, DC, carport and USB, you can charge all your devices like phones, laptops, refrigerator, CPAP, heater and more devices.

The CEA portable power station is a dependable backup power source that is easy to use and lasts for years with almost no maintenance required. It always has your back and leaves you peace of mind when you're camping, traveling in an RV or experiencing a power outage.

Anlen Tan General Manager

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