

**CEA**<sup>®</sup>



**CB FC CE**

Safe  
Reliable  
Long Life

## Portable Power Station



EV Power Bank

CEA ELECTRIC CO.,LTD

# Company Profile

CEA ELECTRIC CO.,LTD



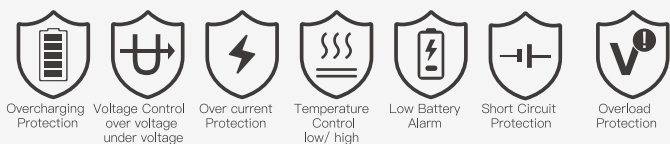
CEA Electric Co.,Ltd., founded in 2008, is a company focusing on energy storage power supply and solutions, integrating product R & D, production and sales. It is rewarded as national green factory, national green supply chain enterprise, national "little giant company" (focus on a market niche and master 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.



## Power Station



300WH

Model	EE300-270WH-1BK	
Color	Black/Yellow	
Battery Capacity	270Wh(12.8V 21AH)	
Rated Power	300W	
Peak Power	600W	
Charging Power	37.8W 12.6V 3A External Adapter Constant-current Voltage 5521 Interface	
Solar Panel Charging	60W 18V 3.4A	
Charging Time	About 4.4H	
Output	AC	Universal Socket*1; 220V, 50Hz Pure Sine Wave
	DC	5521*1 9V 12V 3A
	USB-A	USB-A*3 10W 5V2A
Flashlight	Light 1x 3W	
Accessory	Power cord 1*48cm, Car charging wire 1*131cm	
Size(mm)	L285 x W120 x H260	
Net weight	2.9 KGS (6.393 LBS)	

## Power Station

Product



500WH



1000WH



1500WH

Model	EE500-480WH-1YE	EE1000-960WH-1YE	EE1500-1280WH-1YE
Color	Yellow/Green/Black	Yellow/Green/Black	Yellow/Green/Black
Battery Capacity	480Wh(19.2V 25AH)	960Wh(19.2V 50AH)	1280Wh(25.6V 50AH)
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)	320W(11~60V 10A) WITH MPPT
AC Option	2*sockets, british socket pure sine wave 220V, 50Hz or 120V 60Hz		
Output	DC	2 * 5521 , 12V 10A      1 * cigarette lighter, 12V 10A	
	USB-A	2x Independent 18W 5V3A 9V2A 12V1.5A	2x Independent 18W 5V3A 9V2A 12V1.5A
	Type-C	C1	Single Discharge 30W 5V3A 9V3A 12V2.5A 15V2A
C2		Single Discharge 45W 5V3A 9V3A 12V2.5A 15V3A	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)

## Power Station



500WH



1000WH

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)

## Mobile Power Station



3000WH



5000WH

Model		EE3000-3072WH-1BK	EE5000-5120WH-1BK
Color		Black	
Battery Capacity		3072Wh(51.2V 60AH)	5120Wh(51.2V 100AH)
Rated Power		3000W	5000W
Peak Power		6000W	10000W
AC Input	Wall Charger	AC 120V or 220V 1800W	
PV	Solar Panel	Max 2400W(12-150V 25A) with MPPT	
AC Output		120V or 220V	
Accessory		Power cord 1*48cm, Car charging wire 1*131cm, Anderson Port *1, Hexagon Wrench *1	
Size(mm)		L900 x W450x H700	
Net weight		85 KGS (187.4 LBS)	

## Mobile Power Station



7000WH

Model		EV7000-5120WH
Color		Black
Battery Capacity		5120Wh(51.2V 100AH)
Rated Power		7000W
Peak Power		14000W
AC Input	Wall Charger	AC 120V 1800W AC 240V 3600W
PV	Solar Panel	Max 2400W(12-150V 25A) with MPPT
EV Input		AC 240V 3600W
AC Output		15A*2 TT-30R*1, 6-50R*1(240V Split Phase)
Accessory		Power cord 1*48cm, Car charging wire 1*75cm, 30A plug *1, Hexagon Wrench *1
Size(mm)		L900 x W450 x H800
Net weight		92 KGS (202.8 LBS)



## Mobile Power Station



10240WH

Model		EE3000-6144WH-1BK	EE5000-10240WH-1BK
Color		Black	
Battery Capacity		6144Wh	10240Wh
Rated Power		3000W	5000W
Peak Power		6000W	10000W
Input	Wall Charger	1800W	
	Solar Panel	Max 3000W(120-450V 22A) with MPPT	Max 4500W(120-450V 22A) with MPPT
Output	AC	4 socket, 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	100W: 5V3A 9V3A 12V3A 15V3A 20V5A	
	C2	100W: 5V3A 9V3A 12V3A 15V3A 20V5A	
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)

## Battery System



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

3kW and 5kW portable power station is battery expandable.

We have choice on battery expansion either single battery on top of portable power station or have battery modules loaded on separate trolley.

3kW battery module is 3072WH each piece,each trolley could load 3 modules,max capacity up to 18432WH.

5kW battery module is 5120WH each piece,each trolley could load 3 modules,max capacity up to 30720WH.

Trolley is equipped with 2 universal wheel and 2 main wheel,3 layers frame is removable and could be hung up with a ring on top frame.And it is also equipped with foldable handle,easy to move around.Add up to 6 expansion batteries for a total of 30720Wh of battery storage.

## Capacity Expansion System

UP TO 30KWH



5120Wh

+

5120Wh



Battery Expansion  
Communication Cable



# CEA Mobile 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<sup>®</sup> 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.

## Mobile Power Bank



EV-60A-65D

Product name	EV-60A-65D
Charging voltage	DC CHARGER/AC380V
Charging standard	CCS1/CCS2/CHAdeMO/GBT//Tesla
Type of Battery	LiFePO4
Nominal capacity	65KWh
Charge rate	0.5C
Discharge rate	1C
Battery voltage	614.4V
Depth of discharge	80%
Charge Cycles	6000
Cell type	LiFePO4
Pack voltage	614.4V
Rated voltage	3.2V
Rated current	105A
Cooling method	LIQUID COOLANT
IP level	IP54
Isolation method	Diret Detection
Rated Power	60 KW
Output Voltage	DC200V-750V
Output Current	0-150A
Charging mode	60KW DC Fast Charging
Safety Protections	Overvoltage、 Overcurrent、 Low-voltage、 ESD、 Lighting、 Overcharge、 Overload、 Fire、 Overheat、 Waterproof、 Leakage and Chip Protection
Communication Protocol	OCPP
Networking method	4G Module
Networking protocol	OCPP Network
Charging GUN	CCS1/CCS2/CHAdeMO/GBT//Tesla
Cable Length	7 Meters(Customizable)
HMI	7-inch touch screen (charging station)
Language	English(Customizable)
Dimension L*W*H/mm	1500*965*1050
Weight/kG	900KG
Operating temperature/°C	-10°C-60°C
Altitude/m	2000m
Noise/dB	≤60dB
Relative humidity/RH	5%~95%RH, non-condensing
Certificate	CE

## Mobile Power Bank



EV-120A-161DM

Product name	EV-120A-161DM
Charging voltage	DC/AC380V
Charging standard	CCS1/CCS2/CHAdeMO/GBT//Tesla
Type of Battery	LiFePO4
Nominal capacity	161KWh
Charge rate	0.5C
Discharge rate	1C
Battery voltage	512V
Depth of discharge	80%
Charge Cycles	6000
Cell type	LiFePO4
Pack voltage	512V
Rated voltage	3.2V
Rated frequency	315A
Cooling method	LIQUID COOLANT
IP level	IP54
Isolation method	DIRECT INSULATION
Rated Power	120 KW
Output Voltage	DC200V-750V
Output Current	0-250A
Charging mode	Automatic full, fixed power, fixed amount, fixed time
Safety Protections	Overvoltage, Overcurrent, Low-voltage, ESD, Lighting, Overcharge, Overload, Fire, Overheat, Waterproof, Leakage and Chip Protection
Payment method	OCP
Networking method	4G Module
Networking protocol	OCP Network
Charging GUN	CCS1/CCS2/CHAdeMO/GBT//Tesla
Cable Length	7 Meters(Customizable)
HMI	7-inch touch screen (charging station)
Language	English(Customizable)
Dimension L*W*H/mm	2000*1230*1087
Weight/kg	1500KG
Operating temperature/°C	-10°C-60°C
Altitude/m	2000m
Noise/dB	≤60dB
Relative humidity/RH	5%~95% RH, Non-condensing
Certificate	CE



10kw/20kwh



10kw/40kwh

Model	EE10000-20KWH-1GY	EE10000-40KWH-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	
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

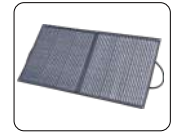
MODEL NO.	SP1-100-2
RATED MAXIMUM POWER	100W
VOLTAGE AT P <sub>MAX</sub> (V <sub>MP</sub> )	20.5V
CURRENT AT P <sub>MAX</sub> (I <sub>MP</sub> )	4.88A
OPEN-CIRCUIT VOLTAGE(V <sub>OC</sub> )	24.19V
SHORT-CIRCUIT CURRENT(I <sub>SC</sub> )	5.37A
UNFOLDED DIMENSION(MM)	1082*570*10
FOLDED DIMENSION(MM)	570*541*25
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 <sub>MAX</sub> (V <sub>MP</sub> )	20.5V
CURRENT AT P <sub>MAX</sub> (I <sub>MP</sub> )	11.71A
OPEN-CIRCUIT VOLTAGE(V <sub>OC</sub> )	24.19V
SHORT-CIRCUIT CURRENT(I <sub>SC</sub> )	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 <sub>MAX</sub> (V <sub>MP</sub> )	80V
CURRENT AT P <sub>MAX</sub> (I <sub>MP</sub> )	5A
OPEN-CIRCUIT VOLTAGE(V <sub>OC</sub> )	94.4V
SHORT-CIRCUIT CURRENT(I <sub>SC</sub> )	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 <sub>MAX</sub> (V <sub>MP</sub> )	160V
CURRENT AT P <sub>MAX</sub> (I <sub>MP</sub> )	3.5A
OPEN-CIRCUIT VOLTAGE(V <sub>OC</sub> )	188V
SHORT-CIRCUIT CURRENT(I <sub>SC</sub> )	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

## 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)

# CEA®

CEA electric Co.,Ltd



## CEA Mobile Power Station

# CEA®

CEA electric Co.,Ltd



MOVABLE CHARGING



RESCUE CHARGING

DC FAST CHARGING

### What is Mobile Power Station?

CEA Mobile 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

# CEA®

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