





# **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.







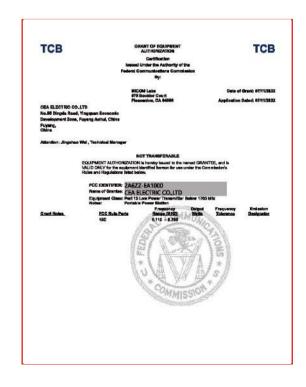
# Certification

# **Portable Power Station**









### **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







500W

1000W

1500W

Model		EE500-441WH-2YE	EE1000-1075WH-2YE	EE1500-1075WH-2YE	
Color		Yellow/Green/Black	Yellow/Green/Black Yellow/Green/Black		
Battery Capacity		441Wh(19.2V 23AH)	1075Wh(25.6V 42AH)	1075Wh(51.2V 21AH)	
Rated	Power	500W	1000W	1500W	
Peak P	ower	1000W	2000W	3000W	
	Wall Charger	153W 21.9V 7A External Charger	900W Bidirectional Inversion	900W Bidirectional Inversion	
Input	Solar Panel	400W(10-60V 10A)	400W(10-60V 10A)	400W(10-60V 10A)	
Output	AC Option	2*sockets, British socket 220V, 50Hz pure sine wave			
Output	USB-A	18W			
	Type-C		PD20W		
Wirele	ss Charger	1x 15W			
LED W	ork Light	1*2W			
Operating temperature range		-10-40°C			
Lifespan		support over 4000 cycles			
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







500W

1000W

Model		EH300-270WH-1BL	EH500-448WH-1BL	EH1000-768WH-1BL
Color		Blue	Blue	Blue
Battery	/ Capacity	270Wh	448Wh	768Wh
Rated I	Power	300W	500W	1000W
Battery	/ Туре		LiFeP04	
Input	Wall Charger	25.5V 4A External Adapter 100W	25.5V 7A External Adapter 178W	900W Bidirectional Inversion
πρατ	Solar Panel	16-50V 15A 300W		10-60V 10A 400W
Charging	Mains Electricity	About 3H	About 3H	About 1H
Time		About 1.2H	About 2H	About 3.2H
Output	AC Option	Universal socket*1, 220V, 50Hz sine wave		Universal socket*2, 220V, 50Hz sine wave
σατρατ	USB	USB-A*1 PD18W USB-C*1 PD20W		N
Operating Ambient Temperature Range			-10~40°C	
Size(mm)L*W*H		L230 x W185x H205	L250 x W185x H220	L300 x W205x H235
Net Weight		3.6 KG (7.94 LBS)	6.1 KG (13.45 LBS)	8.6 KG (18.96 LBS)
Gross Weight		3.9 KG (8.60 LBS)	6.5 KG (14.33 LBS)	9.0 KG (19.84 LBS)



Product





Model		EH1500-1024WH-1BL	EH2000-1536WH-1BL
Color		Blue	Blue
Batter	y Capacity	1024Wh	1536Wh
Rated	Power	1500W	2000W
Batter	у Туре	LiFe	PP04
lpput	Mains Electricity	900W Bidirectional Inversion	1500W Bidirectional Inversion
Input	Solar Panel	10-60V 10A 400W	
Charging	Mains Electricity	About 1.4H	About 1.2H
Time	Solar Panel	About 4.3H	About 6.4H
Outout	AC Option	Universal socket*2, 220V, 50Hz sine wave	Universal socket*3, 220V, 50Hz sine wave
Output	USB	USB-A*1 PD18W USB-C*1 PD20W	
Operating Ambient Temperature Range		-10~40°C	
Size(mm)L*W*H		L340 x W206x H235	L390 x W225x H275
Net Weight		11.8 KG (26.01 LBS)	15.6 KG (34.4 LBS)
Gross Weight		12.5 KG (27.56. LBS)	16.2 KG (35.71 LBS)



Product



Model		EH2000-1536WH-1BL	EH2000-2048WH-1BL	EH2000-2762WH-1BL	
Color			Blue		
Batter	y Capacity	1536Wh	2048Wh	2762Wh	
Rated	Power		2000W		
Batter	у Туре		LiFeP04		
Input	Mains Electricity		1500W Bidirectional Inversion		
Solar Panel			10-60V 10A 400W		
Charging	Mains Electricity	About 1.2H	About 1.5H	About 2.0H	
Time	Solar Panel	About 6.4H	About 8.5H	About 11.5H	
Output	AC Option	Universal socket*2, 220V, 50Hz sine wave			
υμιραι	USB		USB-A*1 PD18W USB-C*1 PD20W		
Paralle	l parameters	Support two A	Support two AC outputs in parallel power 4000W 220V 50Hz		
Operating Ambient Temperature Range			-5~40°C		
Size(mm)L*W*H		L400 x W260x H300	L415 x W275x H310	L465 x W285x H330	
Net Weight		22.5 KG (49.6 LBS)	30.0 KG (66.14 LBS)	40.5 KG (89.29 LBS)	
Gross Weight		30.0 KG (66.14 LBS)	38.0 KG (83.77 LBS)	49.0 KG (108 LBS)	



# Product



Model		EH2400-1536WH-1BL	EH2400-2048WH-1BL	EH2400-2762WH-1BL	
Color			Blue		
Batter	y Capacity	1536Wh	2048Wh	2762Wh	
Rated	Power		2400W		
Batter	у Туре		LiFeP04		
Input	Mains Electricity		1500W Bidirectional Inversion		
Input Solar Panel		10-60V 10A 400W			
Charging	Mains Electricity	About 1.2H	About 1.5H	About 2.0H	
Time	Solar Panel	About 6.4H	About 8.5H	About 11.5H	
Output	AC Option	Universal socket*2, 220V, 50Hz sine wave			
υμιραι	USB	USB-A*1 PD18W USB-C*1 PD20W			
Paralle	l parameters	Support two AC outputs in parallel power 4800W 220V 50Hz			
Operating Ambient Temperature Range			-5~40°C		
Size(mm)L*W*H		L400 x W260x H300	L415 x W275x H310	L465 x W285x H330	
Net Weight		22.5 KG (49.6 LBS)	30.0 KG (66.14 LBS)	40.5 KG (89.29 LBS)	
Gross Weight		30.0 KG (66.14 LBS)	38.0 KG (83.77 LBS)	49.0 KG (108 LBS)	







Model	SPS 500-40	SPS 1000-100	
Color	Bla	ack	
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	4 * Sockets , 220V, 50Hz Pure Sine Wave	
USB-A	5V 2	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





3000W

5000W

Model		EH3000-3072WH-1BK	EH5000-5120WH-1BK	
Color		Bla	ck	
Battery Capacity		3072Wh(51.2V 60AH)	5120Wh(51.2V 100AH)	
Rated Power		3000W	5000W	
Peak Power		6000W	10000W	
AC Input	Wall Charger	AC220V	2200W	
PV	Solar Panel	Max 4500W(120-4	50V 18A) with MPPT	
AC Ou	ıtput	22	220V	
Accessory		Power cord 1*48cm, PV M1	9*1, Hexagon Wrench *1	
Size(mm)		L900 x W450x H700	L900 x W450x H700	
Net w	eight	82 KGS (180.78 LBS)	100 KGS (220.46 LBS)	



# Mobile Power Station





7000W

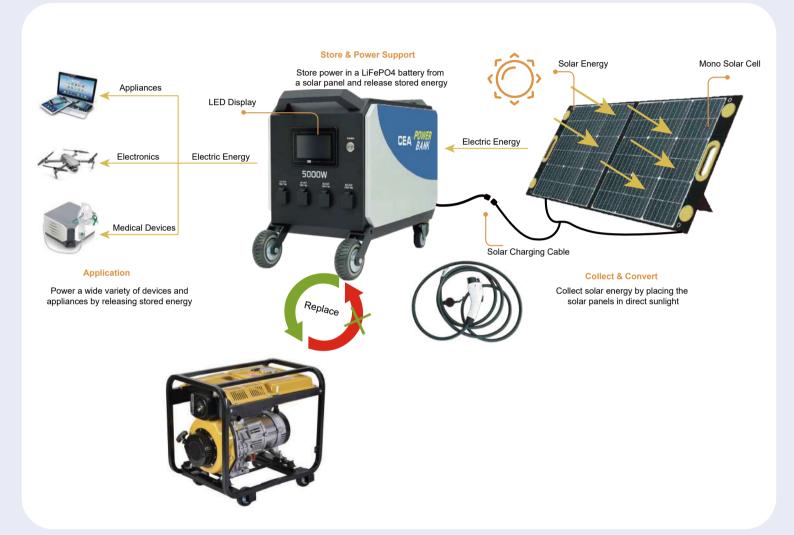
(120V & 240V ALL IN ONE)

Model		EV7000-5120WH-1BK	
Color		Black	
Battery Capacity		5120Wh(51.2V 100AH)	
Rated Power		7000W	
Peak Power		14000W	
AC Input	Wall Charger	AC 120V 1800W AC 220V 3600W	
PV	Solar Panel	Max 2400W(12-150V 25A) with MPPT	
AC Out	tput	3P 15A*2, TT-30R*1, 6-50R*1(240V Split Phase)	
Accessory		Power cord 1*48cm, PV M19*1, 30A plug *1, Hexagon Wrench *1	
Size(mm)		L900 x W450 x H800	
Net w	eight	104 KGS (229.2 LBS)	

### **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/5120WH 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 Station



10240WH

Model		EE3000-6144WH-1BK	EE5000-10240WH-1BK	
Color		Black		
Battery Capacity		6144Wh	10240Wh	
Rated	Power	3000W	5000W	
Peak Power		6000W	10000W	
	Wall Charger	180	10W	
Input	Solar Panel	Max 3000W(120-450V 22A) with MPPT	Max 4500W(120-450V 22A) with MPPT	
	AC	4 socket, Univer	4 socket, Universal Plug 10A*3 L6-30R*1	
	DC	2 * 5521 , 12V 10A	1 * cigarette lighter, 12V 10A	
Output	USB-A	4*18W : 5\	/3A 9V2A 12V1.5A	
	C1 Type-C	100W: 5V3A 9V3	A 12V3A 15V3A 20V5A	
	C2	100W: 5V3A 9V3	A 12V3A 15V3A 20V5A	
Accessory		Power cord 1*48cm, PV M19*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)	



### **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 wheels and 2 main wheels,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**









Model	ES10000-20KWH-1BL
Color	Blue
Rated Power	10KW
Peak Power	20KW
Motor Load	6HP
Battery Parameters	LiFeP04 51.2V 100AH*4 20.48KWh
Grid Connection	No
PV Charging Input	120-450V 20A Two ways; Support MPPT 9KW in maximum
Mains Charging	220-240V 50HZ Max4400W
AC Output	220V 50Hz
UPS	10ms
Charging Time	PV Charging About 3H (9000W) / Mains Charging About 5H (4400W)
Operating temperature	-10-40°C
Operating humidity(RH)	≤80%
Size(mm)	L710 x W480 x H1300
Weight	260 KGS (573.2 LBS)







Model	EE10000-20KWH-1GY	EE10000-40KWH-1GY	
Color	Gre	гу	
Battery Capacity	20KWh	40KWh	
AC output voltage (nominal)	22	20V	
Grid frequency	50/0	60Hz	
Total Energy	20.48KWh	40.96KWh	
Usable energy	19.6KWh	39.5KWh	
Real power, max continuous	10	10kw	
Real power, peak (10S, off-grid/standby)	20000V	/A (1-2S)	
Apparent power, maximum continuous	1000	DOVA	
Apparent power, peak (10S, off-grid/backup)	20000\	/A (1-2S)	
Warranty	5 \	/EARS	
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)	



# 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	10
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	Direct 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	ОСРР
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% $\sim$ 95%RH, non-condensing
Certificate	CE



### Introduction

This device has a total energy capacity of 100 kWh and a discharge power of 90 kW DC. It can be used for mobile charging of new energy vehicles in fixed areas.

### **Features**

- High flexibility: Remote-controlled driving for easy mobility.
- High compatibility: Supports over 95% of new energy vehicle models.
- Multi-scenario application: Suitable for scenic areas, industrial zones, parking lots, and data centers.
- IP54 protection: Equipped with nine safety protections
  including over-temperature, over-voltage, overload, and over-current protection, etc.
- High energy storage capacity and high power: 100 kWh storage capacity, 90 kW DC.
- Supports standalone and 4G mode: Real-time transmission of charging and discharging data for platform integration.



EV-90A-100D-R

### **Technical Data**

Battery Parameters		Other Specifications			
Energy Storage Capacity	100kwh	Installation Type	Vehicle-mounted, mobile		
Battery Type	LiFePO4	Display Screen	7-inch		
Operating	Charging: 0°C~60°C	Language	Chinese(customizable)		
Temperature	Discharging: -10°C~60°C	IP Rating	IP54		
Lifespan	≥5,000 cycles	Fire Protection System	Included		
Cooling Method	Liquid cooling	Dimensions	2035*920*1491mm		
Battery Charging Method	DC: GB/T standard charging gun AC: 380Vac (3P+N+PE)	Weight	≈1450kg		
Charging Parameters					
Output Power	90kw	Charging Gun Standard	GB/T (American/European/ Japanese Standard)		
Output Voltage	DC200-1000V	Charging Cable Length	5M		
Charging Current	0-200A	Communication Method	4G		

# **Application Scenarios**







# 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	10	
Battery voltage	512V	
Depth of discharge	80%	
Charge Cycles	6000	
Cell type	LiFePO4	
Pack voltage	512V	
Rated voltage	3.2V	
Rated current	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	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	2000*1230*1087	
Weight/kG	1500KG	
Operating temperature/°C	-10°C-60°C	
Altitude/m	2000m	
Noise/dB	≤60dB	
Relative humidity/RH	$5\%$ $\sim$ 95% RH, Non-condensing	
Certificate	 CE	



### SOLAR PANEL SPECIFICATIONS

### **SOLAR PANEL 100W**

#### SPECIFICATIONS

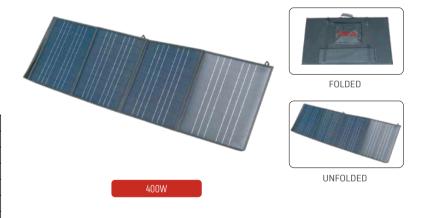
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MODEL NO.	SP1-100-2
RATED MAXIMUM POWER	100W
VOLTAGE AT PMAX(VMP)	20.5V
CURRENT AT PMAX(IMP)	4.88A
OPEN-CIRCUIT VOLTAGE(VOC)	24.19V
SHORT-CIRCUIT CURRENT(ISC)	5.37A
UNFOLDED DIMENSION(MM)	1082*570*10
FOLDED DIMENSION(MM)	570*541*25
NET WEIGHT(KG)	3
SUITABLE FOR	EA300, EA500



### SOLAR PANEL 300W

#### SPECIFICATIONS:

MODEL NO.	SP1-300-4
RATED MAXIMUM POWER	300W
VOLTAGE AT PMAX(VMP)	40V
CURRENT AT PMAX(IMP)	7.5A
OPEN-CIRCUIT VOLTAGE(VOC)	47.2V
SHORT-CIRCUIT CURRENT(ISC)	8.25A
UNFOLDED DIMENSION(MM)	2690*720*5
FOLDED DIMENSION(MM)	720*600*50
NET WEIGHT(KG)	14.6
SUITABLE FOR	EA1000, EA1500, EA2000



### SOLAR PANEL 400W

#### SPECIFICATIONS:

MODEL NO.	SP1-400-4	SP1-400-4
RATED MAXIMUM POWER	400W	400W
VOLTAGE AT PMAX(VMP)	80V	160V
CURRENT AT PMAX(IMP)	5A	2.5A
OPEN-CIRCUIT VOLTAGE(VOC)	94.4V	188V
SHORT-CIRCUIT CURRENT(ISC)	5.5A	2.55A
UNFOLDED DIMENSION(MM)	2935*822*6	2935*822*6
FOLDED DIMENSION(MM)	822*790*30	822*790*30
NET WEIGHT(KG)	14.8	14.8
SUITABLE FOR	EA3000, EA5000	EE3000, EE5000
Remark	It's better using 4pcs in parallel for EE3000 and EE5000	

# **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** Mobile Power Station



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,

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.



#### CEA

#### **CEA ELECTRIC CO.,LTD**

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