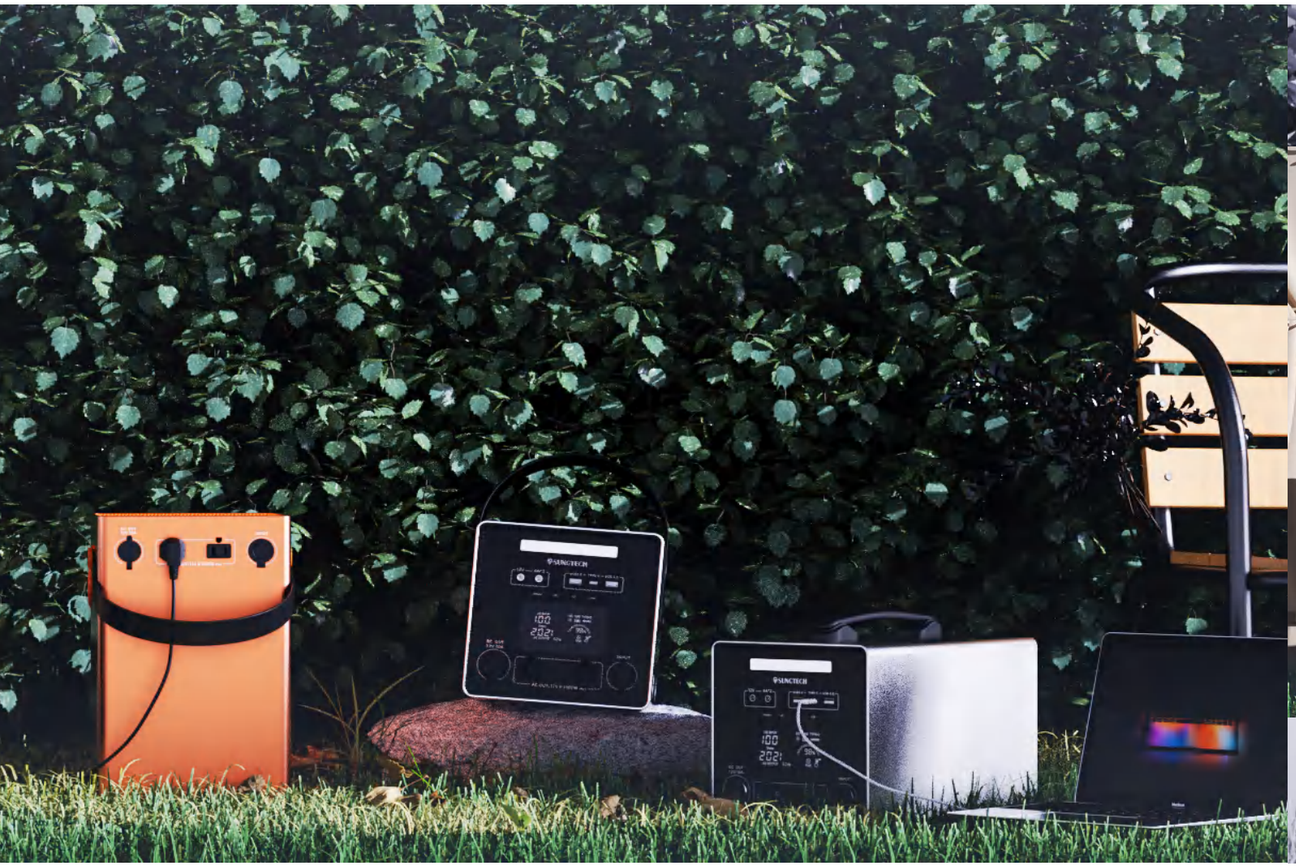
SUNCTECH

SUNGTECH Technology Innovation Co., Ltd.





Product manual

Portable Power Station Industry Leader

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www.sungtech.cn

Power Up Your Life

Power Up Your Life



Sungtech Technology Innovation Co., Ltd

Sungtech Technology Innovation Co., Ltd is a subsidiary corporation of Dongguan Nistar Transmitting Technology Co., inc. We focus on portable energy station (PES). We provide users with fully integrated solutions for all types of portable power stations and solar panels. It's widely used in outdoors, emergency power supply, telecommunication, home energy storage and it supplies power to all sorts of small appliances to medical emergency equipment to even electric cars.

The company carries out ISO\TS16949, ISO1900, ISO14000 and other management systems, more than 80% of the company's staff have more than 5 years of experience in the power supply industry, in the circuit design and lean manufacturing management above continuous optimization, through MSDS,UN38.3,TUV, CB, CE, FCC and other national standards and departments certification.

Sungtech Technology Innovation Co., Ltd. is committed to be the most professional PES supplier in the industry.

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PRODUCT

ST100

ST300

ST500

ST750

ST1000

ST1500



Name	ST-100Pro
Power	100W/98Wh
Port	USB-A/Type-C/AC Output
Charging method	Car charging or mobile phone charging
Scope of application	Can work to Apple laptop, table PC, mobile phone
Advantage	Easy to carry Small size Light weight Abundant interfaces Large battery,fast charging





OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	100W	Input Power	200W Max
	Peak Power	120W	Battery	
	Overload Capability	100W≤load<120W	Rated Capacity	98Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	14.8V
DC 12V Output(Cigarette Lighter)	Rated Voltage	×	Battery Cell Type	×
	Rated Current	×	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	×	BMS Safety System	YES
	Rated Current	×	×	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V	Working Temperature	32°F-113°F
	Rated Current	Max10W		
Type-C Output	Charging Agreement	PD(60W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	×			

100W outdoor
Portable Power Bank

Black White Grey Orange Red





Name	ST-300Pro
Power	300W/288Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Easy to carry Small size Light weight Abundant interfaces Large battery,fast charging

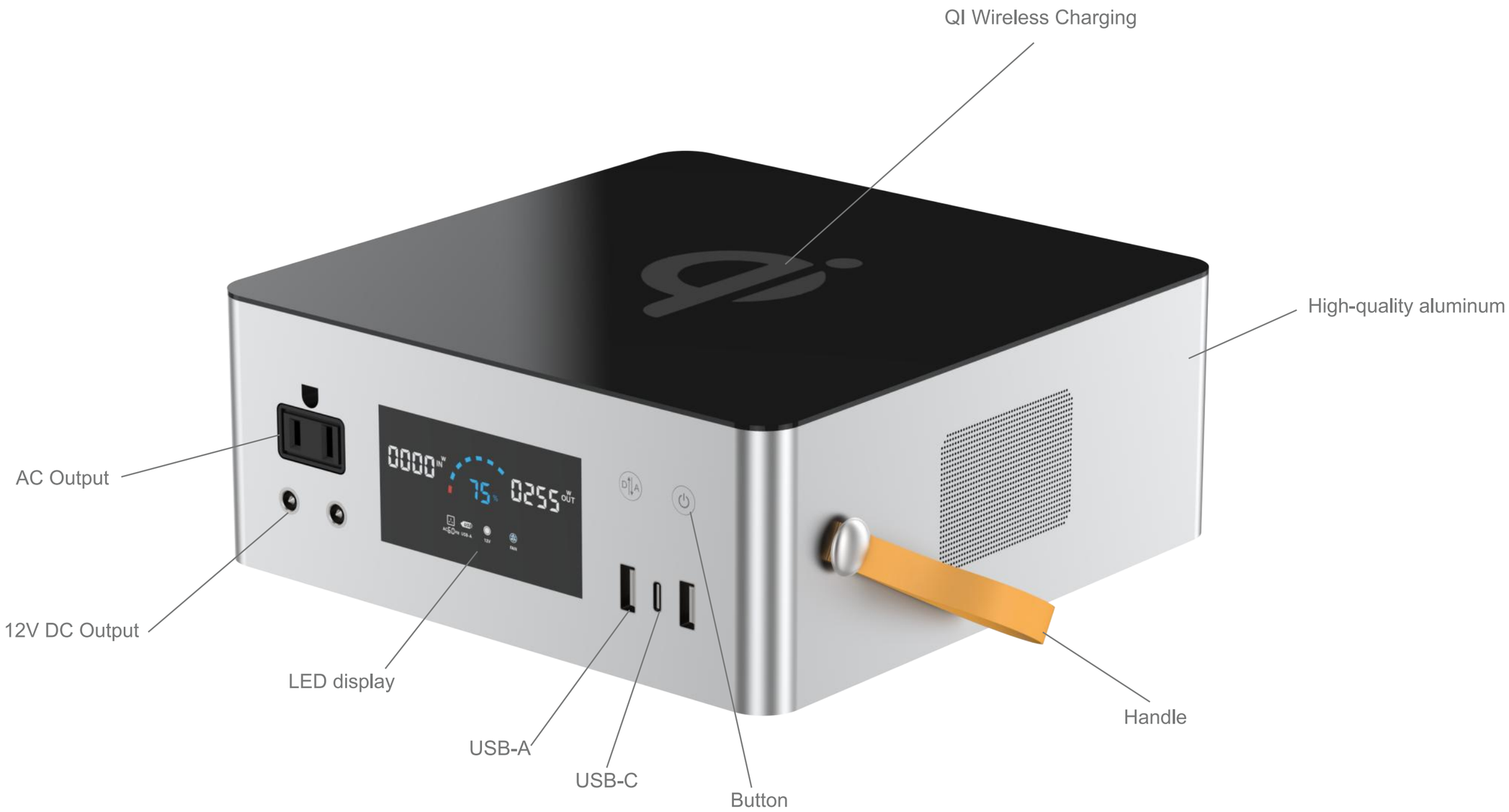




OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	300W	Input Power	200W Max
	Peak Power	345W	Battery	
	Overload Capability	300W≤load<345W	Rated Capacity	288Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	×			

300W Outdoor
Portable Power Station

Black White Grey Orange Red



Name	ST-300Air
Power	300W/288Wh
Port	USB-A/Type-C/AC Output
Charging method	Car charging or mobile phone charging
Scope of application	Can work to Apple laptop, table PC, mobile phone
Advantage	Easy to carry Small size Light weight Abundant interfaces Large battery,fast charging

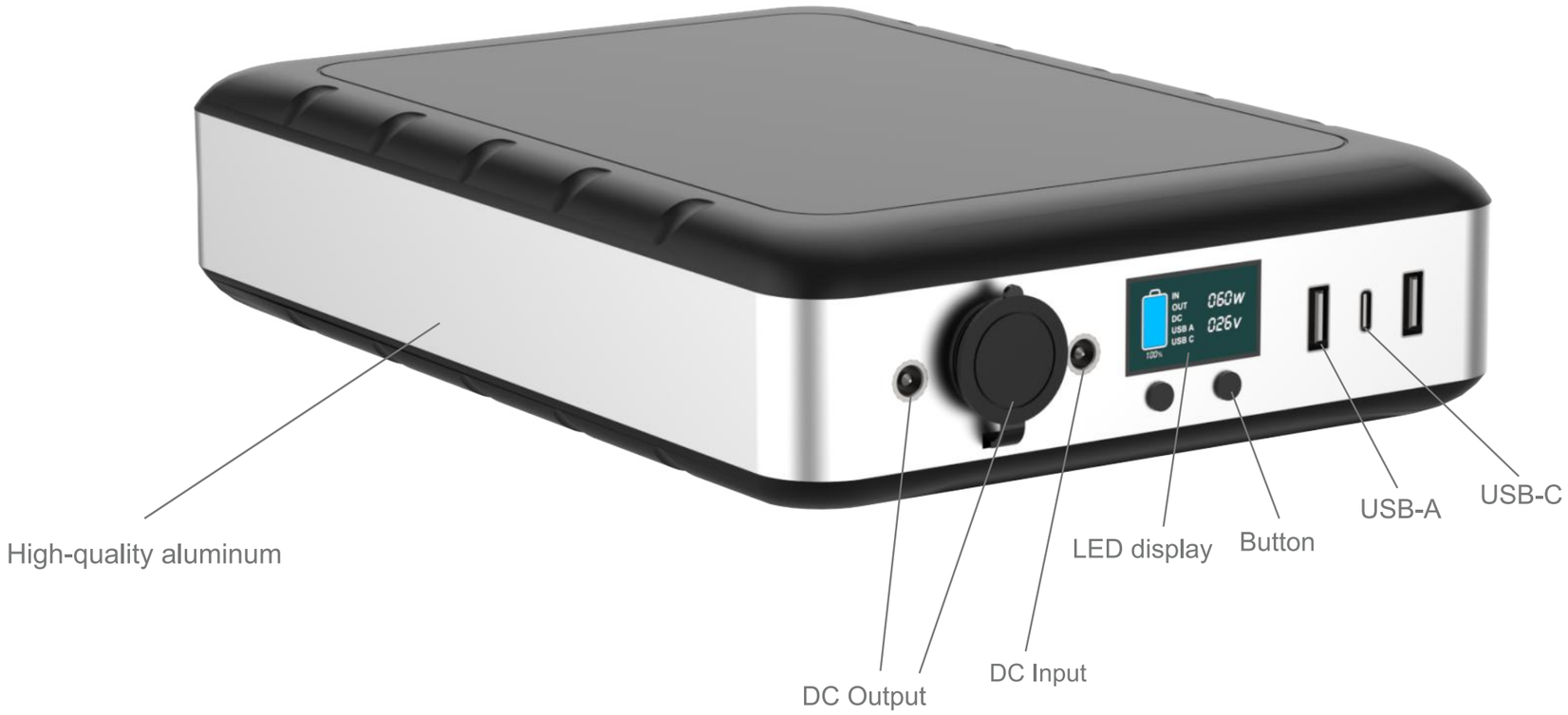




OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	×	Input Power	100W Max
	Peak Power	×	Battery	
	Overload Capability	×	Rated Capacity	288Wh
	Frequency	×	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	5V,12V,20V,24V,26V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	5V,12V,20V,24V,26V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	×			

300W Outdoor
Portable Power Bank

Black White Grey Orange Red



Name	ST-300Max
Power	300W/288Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Easy to carry Small size Light weight Abundant interfaces Large battery,fast charging





OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	300W	Input Power	200W Max
	Peak Power	345W	Battery	
	Overload Capability	300W≤load<345W	Rated Capacity	288Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	After turning on the power button,press the LED indicator buttons in sequence,the sequence is:half on-full on-SOS-off			

300W Outdoor
Portable Power Station

Black White Grey Orange





Name	ST-500Pro
Power	500W/518.4Wh
Port	USB-A/Type-C/AC Output
Charging method	Car charging or mobile phone charging
Scope of application	Can work to Apple laptop, table PC, mobile phone
Advantage	Easy to carry Small size Light weight Abundant interfaces Large battery,fast charging



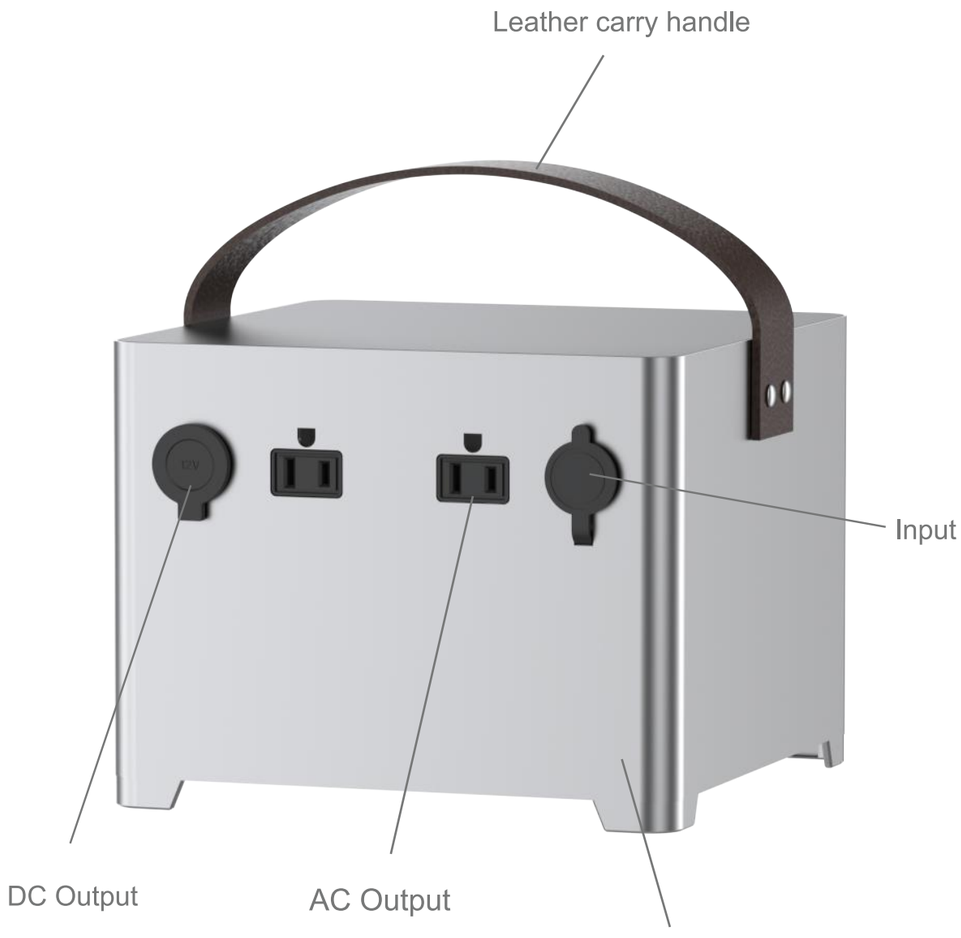


OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	500W	Input Power	200W Max
	Peak Power	600W	Battery	
	Overload Capability	500W≤load<600W	Rated Capacity	518.4Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	After turning on the power button,press the LED indicator buttons in sequence,the sequence is:half on-full on-SOS-off			

500W Outdoor
Portable Power Station

Black White Grey Orange Red





Name	ST-750Mini
Power	750W/998.4Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Easy to carry Small size Light weight Abundant interfaces Large battery,fast charging





OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	750W	Input Power	200W Max
	Peak Power	900W	Battery	
	Overload Capability	750W≤load<900W	Rated Capacity	998.4Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	×			

750W high-power outdoor mobile power supply

Black White Grey Orange Red





BACK

Name	ST-750Pro
Power	750W/998.4Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Almost no noise LED spotlight and SOS LED display LCD dynamic display of available time and power 50HZ/60HZ frequency Switchable





OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	750W	Input Power	200W Max
	Peak Power	900W	Battery	
	Overload Capability	750W≤load<900W	Rated Capacity	998.4Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	After turning on the power button,press the LED indicator buttons in sequence,the sequence is:half on-full on-SOS-off			

750W high-power outdoor mobile power supply

Black White Grey Orange Red





BACK

Name	ST-750Duo
Power	750W/998.4Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Almost no noise LED spotlight and SOS LED display LCD dynamic display of available time and power 50HZ/60HZ frequency Switchable

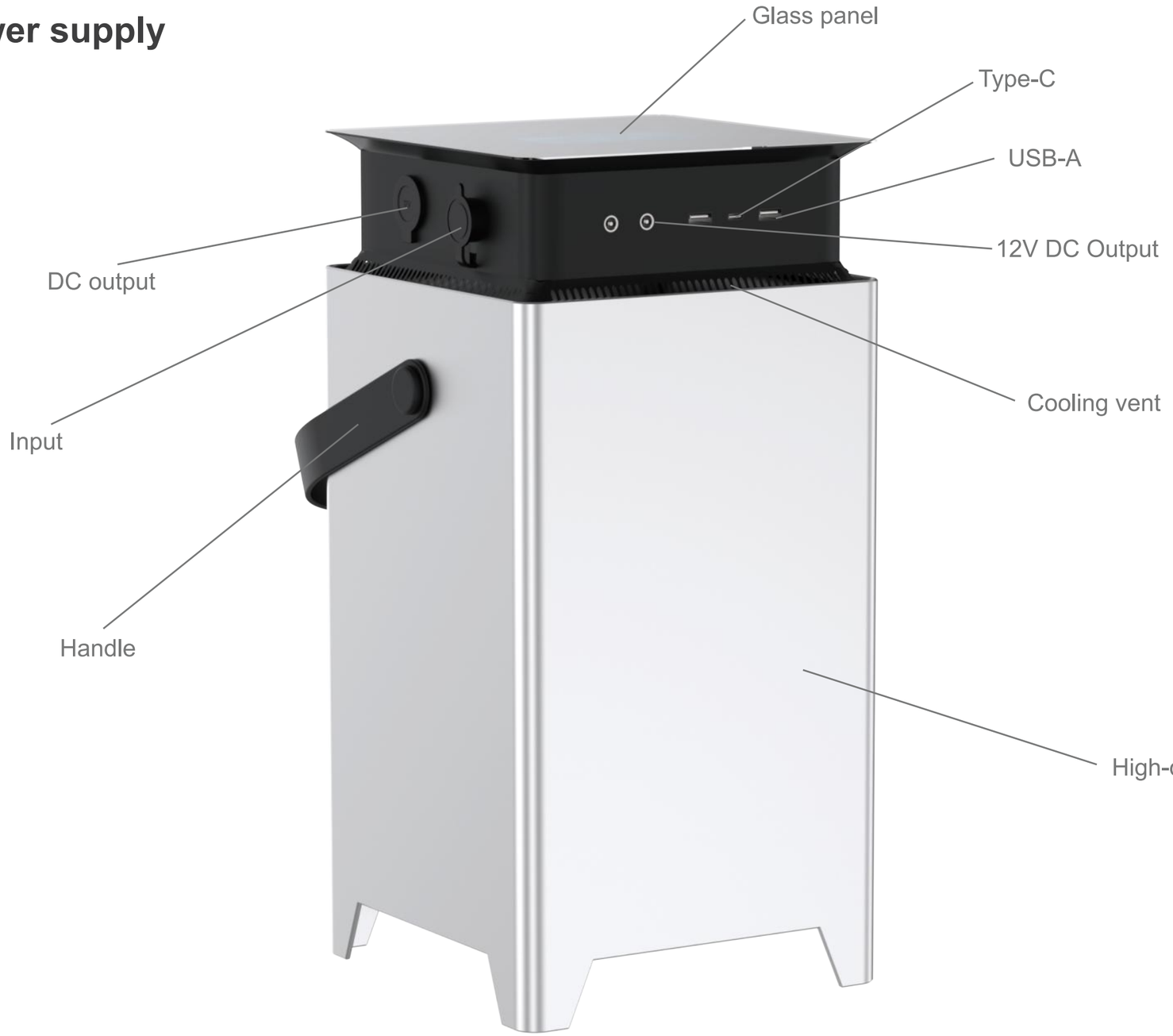




OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	750W	Input Power	200W Max
	Peak Power	900W	Battery	
	Overload Capability	750W≤load<900W	Rated Capacity	998.4Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	After turning on the power button,press the LED indicator buttons in sequence,the sequence is:half on-full on-SOS-off			

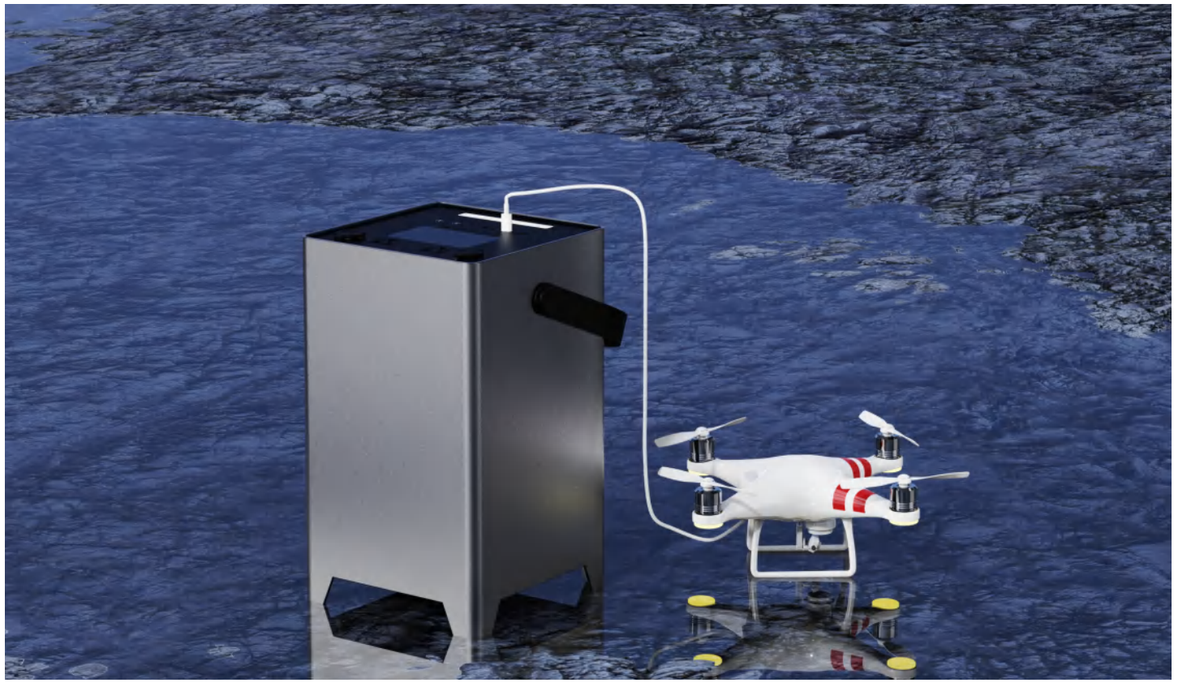
750W high-power outdoor mobile power supply

Black White Grey Orange Red





Name	ST-750Air
Power	750W/998.4Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Almost no noise LED spotlight and SOS LED display LCD dynamic display of available time and power 50HZ/60HZ frequency Switchable

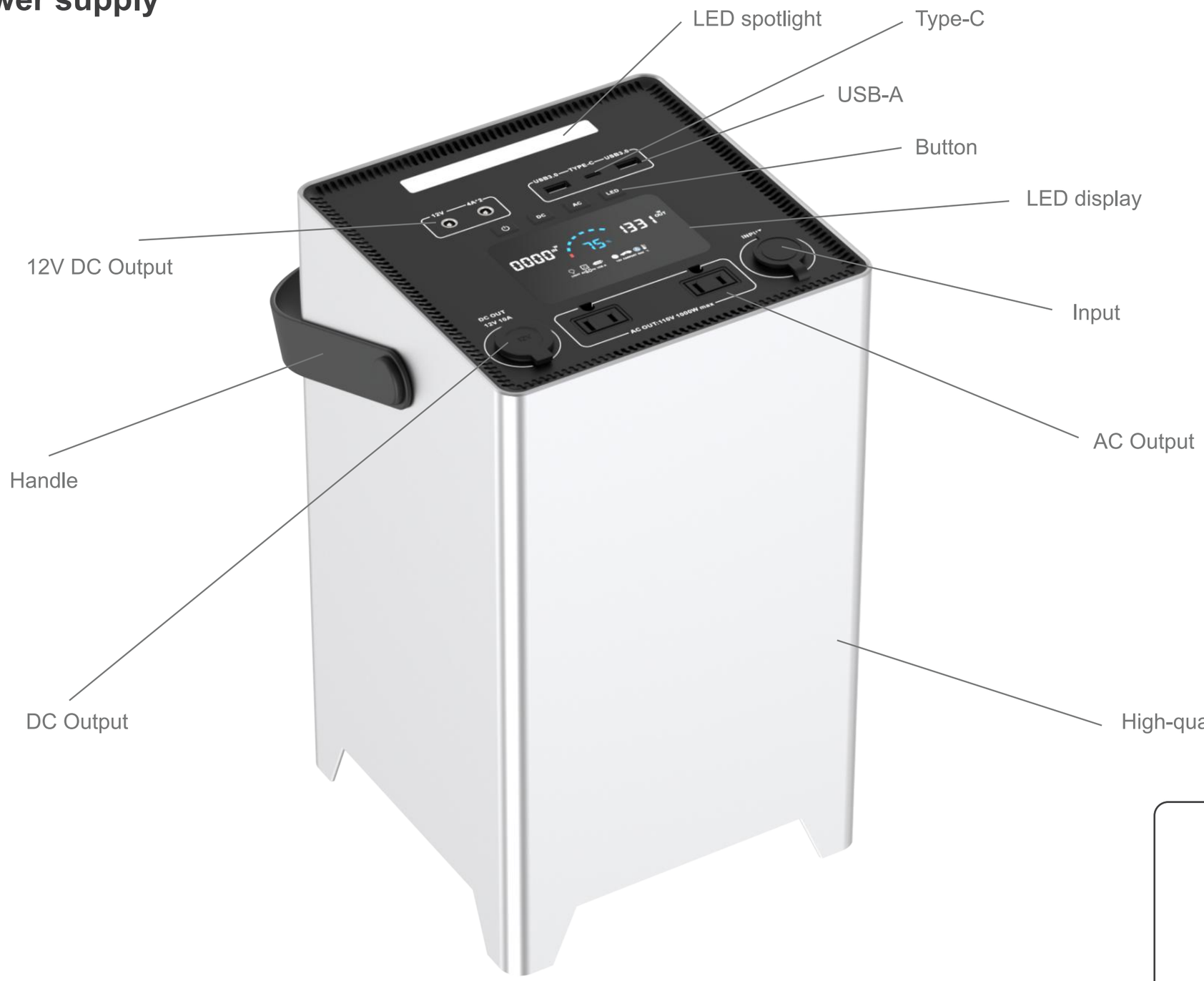




OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	750W	Input Power	200W Max
	Peak Power	900W	Battery	
	Overload Capability	750W≤load<900W	Rated Capacity	998.4Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	19.2V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	After turning on the power button,press the LED indicator buttons in sequence,the sequence is:half on-full on-SOS-off			

750W high-power outdoor mobile power supply

Black White Grey Orange Red





BACK

Name	ST-1000Pro
Power	1000W/1280Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Almost no noise LED spotlight and SOS LED display LCD dynamic display of available time and power 50HZ/60HZ frequency Switchable

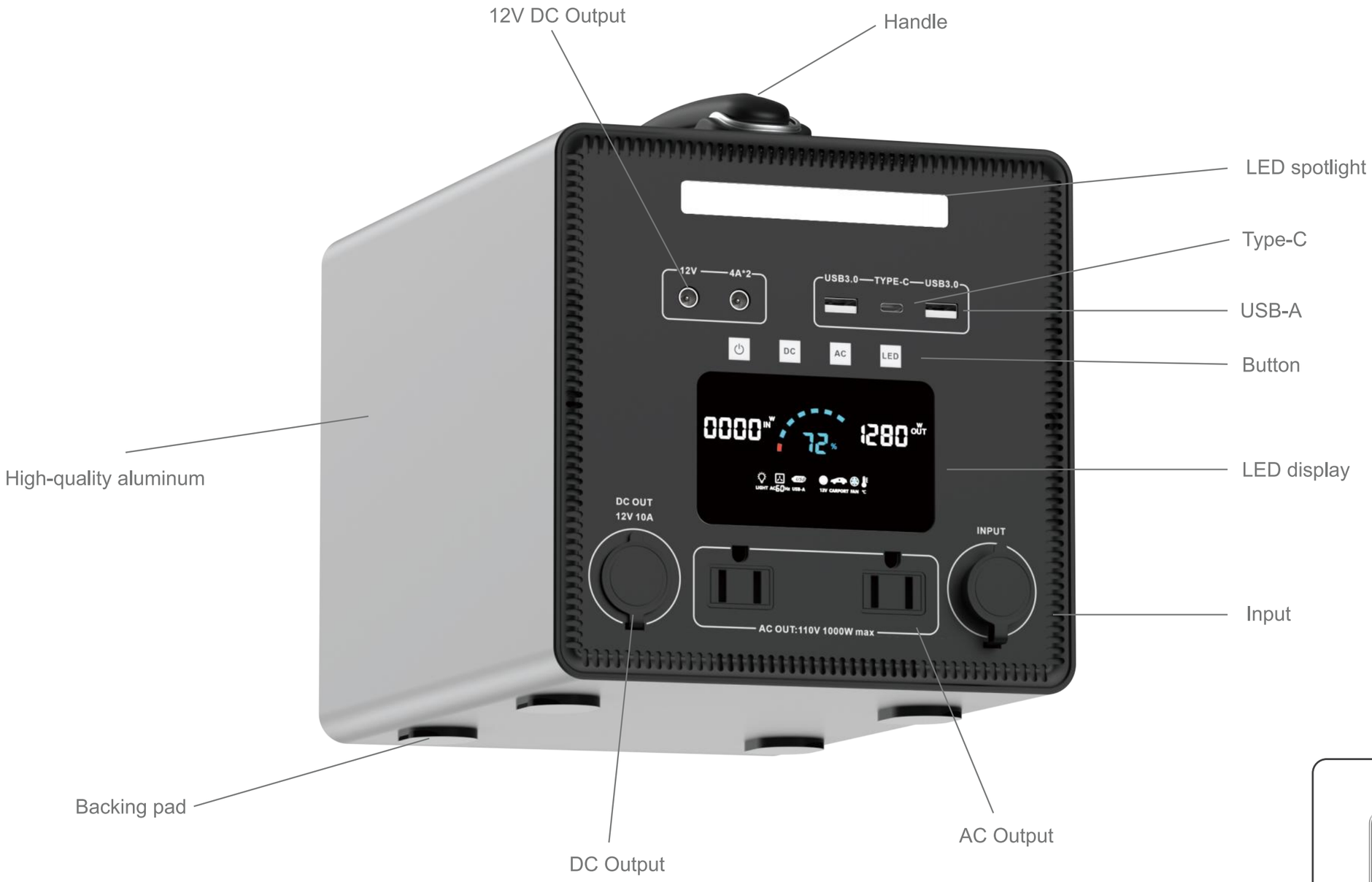




OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	1000W	Input Power	200W Max
	Peak Power	1200W	Battery	
	Overload Capability	1000W≤load<1200W	Rated Capacity	1280Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	25.6V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	After turning on the power button,press the LED indicator buttons in sequence,the sequence is:half on-full on-SOS-off			

1000W high-power outdoor mobile power supply

Black White Grey Orange Red





BACK

Name	ST-1500Pro
Power	1500W/1331.2Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Almost no noise LED spotlight and SOS LED display LCD dynamic display of available time and power 50HZ/60HZ frequency Switchable

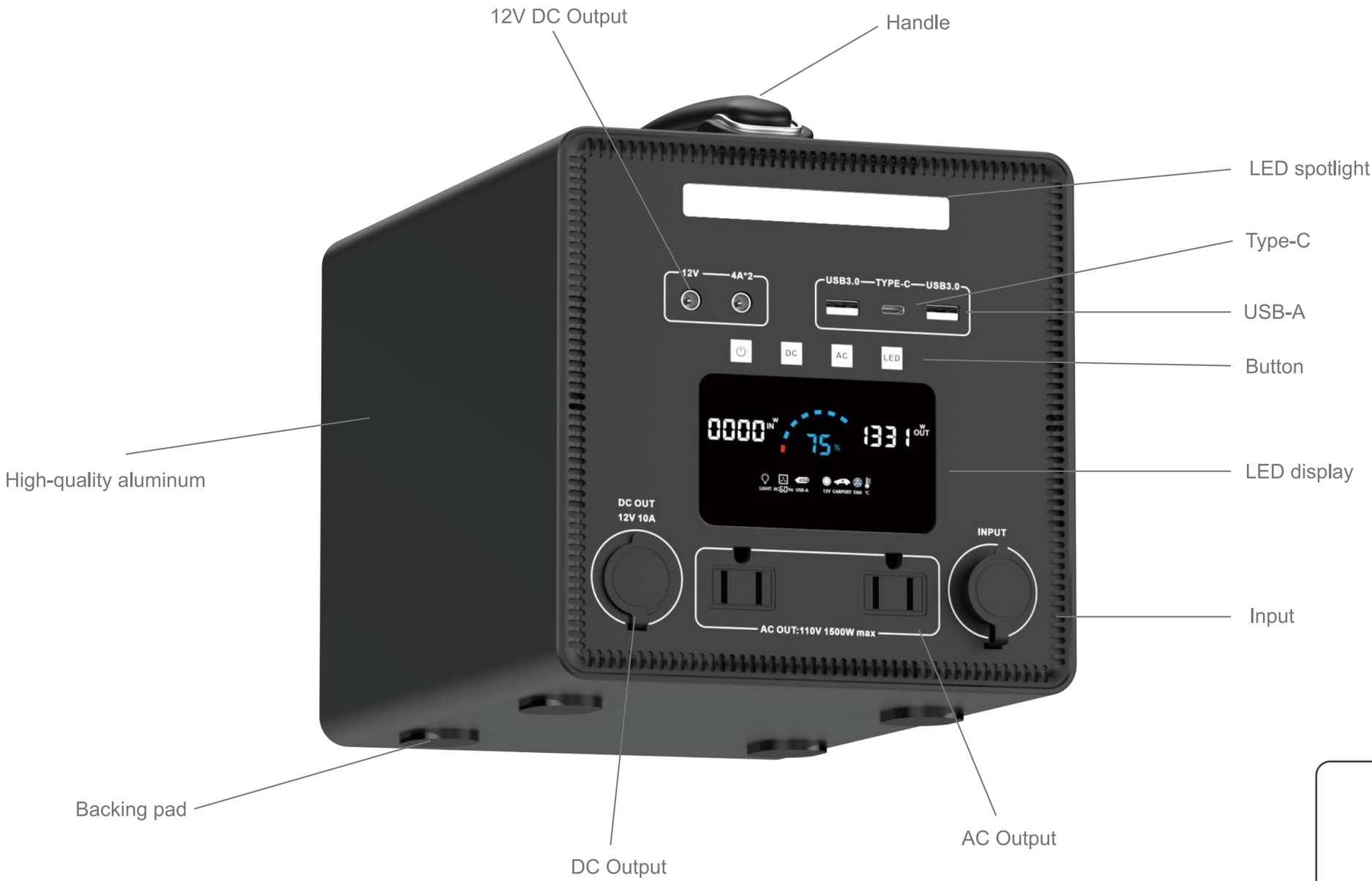




OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	1500W	Input Power	200W Max
	Peak Power	1800W	Battery	
	Overload Capability	1500W≤load<1800W	Rated Capacity	1331.2Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	25.6V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	After turning on the power button,press the LED indicator buttons in sequence,the sequence is:half on-full on-SOS-off			

1500W high-power outdoor mobile power supply

Black White Grey Orange Red





Name	ST-1500Max
Power	1500W/1331.2Wh
Port	USB-A/Type-C/AC Output
Charging method	Solar charging or Car charging or AC adaptor charging
Scope of application	Can work to Apple laptop, tablet PC, mobile phone refrigerator,electric saw, boiling pot, TV, fan, computer, etc
Advantage	Almost no noise LED display LCD dynamic display of available time and power 50HZ/60HZ frequency Switchable





OUTPUT			INPUT	
AC Output		AC 110V±10% or AC 220V±10%	Input	12-28V DC
	Rated Power	1500W	Input Power	200W Max
	Peak Power	1800W	Battery	
	Overload Capability	1500W≤load<1800W	Rated Capacity	1331.2Wh
	Frequency	50/60Hz(Adjustable)	Rated Voltage	25.6V
DC 12V Output(Cigarette Lighter)	Rated Voltage	12V	Battery Cell Type	Lithium iron phosphate(LiFePO4)
	Rated Current	5V 4A (20W)	Voltage Range	11.2V-28.6V
DC 12V Output(5521)	Rated Voltage	12V	BMS Safety System	YES
	Rated Current	5V 4A (20W)	General	
USB Output	Rated Charge Technology	Suitable for most mobile phones	Storage Enviroment	14°F-149°F
	Rated Voltage	5V,9V,12V	Working Temperature	32°F-113°F
	Rated Current	Max20W		
Type-C Output	Charging Agreement	PD(100W)		
	Rated Output	5V,9V,12V,15V,20V		
LED Lighting	×			

1500W high-power outdoor mobile power supply

Black White Grey Orange Red





Name	ST-10KWH
Power	200AH
Battery Size	700（L）*450（W）*266（H）mm
Pack Weight	85kg
Protection Class	IP55
Certificate	UN38.3 MSDS CE





Product Parameters

Electrical Characteristics	**Electrical Characteristics**		**Charging Parameters**	
	Nominal Voltage (V)	51.2V	Charge Voltage（V）	57.6V
	Nominal Capacity(Ah)	200Ah@0.3C	Charge Current（A）	30A（Recommend）
	Nominal Capacity (KWh)	10.24KWh	Max Charge Current（A）	50A
	Cycle Life	≥6000 Cycles @0.3C/0.3C	Peak Charge Current（A）	100A
	Serial Number	16S1P	Charging Mode	Constant Current Constant Voltage
	Commnication Port	RS485/CAN		
Discharge Parameters	**Discharge Parameters**		**Operating Environment**	
	Discharge Cut-off Voltage	46.4V	Charge Temperature	0℃ to 55℃, 32°F to 131°F
	Discharge Current	50A（Recommended）	Discharge Temperature	-20℃ to 60℃, -4°F to 140°F
	Max Discharge Current	100A	Storage Temperature	0℃ to 40℃, 32°F to 104°F

10KWH/200AH

Home Energy Storage

Black White Grey Blue Red



Name	ST-18KWH
Power	368AH
Battery Size	515（L）*515（W）*1100（H）mm
Pack Weight	180kg
Protection Class	IP55
Certificate	UN38.3 MSDS CE





Product Parameters

Electrical Characteristics	**Electrical Characteristics**		**Charging Parameters**	
	Nominal Voltage (V)	51.2V	Charge Voltage（V）	57.6V
	Nominal Capacity(Ah)	368Ah@0.3C	Charge Current（A）	30A（Recommend）
	Nominal Capacity (KWh)	18.841KWh	Max Charge Current（A）	50A
	Cycle Life	≥6000 Cycles @0.3C/0.3C	Peak Charge Current（A）	100A
	Serial Number	16S1P	Charging Mode	Constant Current Constant Voltage
	Commnication Port	RS485/CAN		
Discharge Parameters	**Discharge Parameters**		**Operating Environment**	
	Discharge Cut-off Voltage	46.4V	Charge Temperature	0℃ to 55℃, 32°F to 131°F
	Discharge Current	50A（Recommended）	Discharge Temperature	-20℃ to 60℃, -4°F to 140°F
	Max Discharge Current	100A	Storage Temperature	0℃ to 40℃, 32°F to 104°F

18KWH/368AH

Home Energy Storage

Black White Grey Orange Red



ACCESSORIES

- Connecting line
- Charge pack
- Solar panels
- Charger



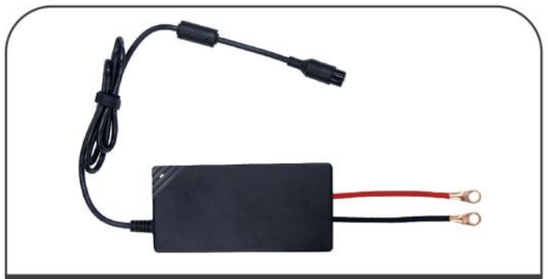
COMPLETE CHARGING SOLUTION



220V charger



car charger



high power car charger



solar charging



Station Energy Storage Package

Car charger



Type-C Charging



Charger



Solar charging



Thanks for watching.