

# Portable Lithium Solar Generator

Instruction Manual



# **Packing List**

- 1 Pcs Portable Solar Power Generator
- 1 Pcs AC wall charger (Including AC input charging cable)
- 1 Pcs PV solar charge cable (7909 to MC4)
- 1 Pcs User manual
- 1 Pcs Car charging cable
- 1 Pcs Carrying strap











AC/DC Adapter





Solar Charging Cable

User Manual

Please visit our website www.srportables.com to register your product

### **Part Description**



# Safety and Precautions

### Safety Warning

- 1. Please read all the safety warnings and labels before using the product.
- 2. Do not install the product near heat sources, such as electric furnaces and heaters.
- 3. Wipe the product clean with a dry cloth.
- 4. In case of fire, use dry powder fire extinguishers for this product. Do not use water fire extinguisher, which may cause electric shock.
- 5. Please do not alter or disassemble this product.

# Safety and Precautions

### Storage and Maintenance

- 1. Operating and storage environment may influence product life and the reliability of performance. Remember to:
  - (i) Place the product in a dry and well- ventilated area with mild temperature (suitable temperature: 0°C -45°C, suitable relative humidity 10% ~ 90%)
  - (ii) Place the product in a safe area where it will not fall or shake.
  - (iii) Keep the product away from corrosive and combustible material.
- 2. The product will turn itself off when the battery voltage is very low. If this happens, you need to charge the battery within 2-3 months.
- 3. If you are not going to use it for a long time, please charge it fully before storage and then charge it at least once every month. Store the product in a dry environment.

### How to Charge this Product?

### Solar Panel to Charge the Product

- 1. Choose a suitable solar panel (Recommended SR Portables 200W Foldable Solar Panel).
- 2. Keep the solar panel under direct sunlight and facing the sun.
- 3. Connect the solar panel to the DC Input port
- 4. Please charge the product under Operational Temperature:
- 5. Charge 0°C ~ 45°C, Discharge -20°C ~ 60°C (powering appliances)
- When the product is fully charged by the sun, it will stop charging automatically. (The charging time is different under different sunlight intensity)
- 7. All products can be charged and used simultaneously
- 8. During charging, it is normal for the product to get a little hot.
- 9. Please make sure the cable connections are secure and stable, or it might result in overheating and short circuits.

### MULTIPLE CHARGING OPTIONS



### AC Charger to Charge the Product

- 1. Always use the standard AC charger that comes with the product.
- 2. Insert one end of the adapter into the wall outlet and insert the other end into the input port of the product.
- 3. Please unplug the charger after charging is completed.
- 4. During charging, it is normal for the product to get a little hot.
- 5. Make sure that the wiring is connected properly, otherwise the contact terminals may melt or ignite at high temperatures.

### Car Charger to Charge the Product

- 1. Connect the product to the cigarette lighter socket in the car with the cigarette lighter cable provided in the package.
- 2. The product will be fully charged with both a 24V and a 12V car battery.
- 3. Charge the product after starting the car.
- 4. Make sure that the wiring is connected properly, otherwise the contact terminals may melt or ignite at high temperatures.

### Turning On the Minotaur

- 1. Click on the ON/OFF button (#1) and wait for the LCD screen (#2) to light up
- 2. To Start AC power click on AC ON button (#3)
- 3. To Start DC Power, click on DC ON Button (#4)



# Turn OFF the Minotaur

1. Press and hold the master power button (#1) about 3 seconds to turn off the product. The display screen (#2) would turn off.

# AC/DC Output

- 1. Turn on AC/DC output: Press and hold the AC/DC power button (#3 DC; #4 AC) to turn on the product. The display screen would show "AC ON/DC ON".
- 2. Turn off AC/DC output: Press and hold the AC/DC (#3 DC; #4 AC) power button to turn off the product. The display screen would show "AC OFF/ DC OFF".

Note: Check to make sure the product is turned on. Otherwise, you cannot turn on the AC/ DC output.

### Output



### **Technical Specifications**

Model	Minotaur		
Internal Battery	Battery Capacity	1395Wh(37.7Ah/37V)	
Battery Type	Lithium ion	4000+ Cycles to 80% Charge	
AC Output	Output Voltage	100V/110V or 220V/230V/240V	
	Output Frequency	50Hz/60Hz	
	Rated Power	1200W	
	Peak Power	≧2400W	
	Wave Form	Pure Sine Wave	
DC Output	4x USB A QC	5V~9V 2A	
	Туре-С1	5V/9V/12V/15V@3A, 20V/2.25A	
	Туре-С 2	5V/9V/12V/15V@3A, 20V/5A	
	Car Port	13.5V/8A	
	Aviation Socket		
	2x DC5521	13.5V/3A	
	Wireless Charger	5W~10W	
Input	AC/DC Charger	Standard 42V/6A or Optional Power	
	Car Charger	12V~24V 10A, 240W Max	
	Solar MPPT Charger	12V~42V10A, 400W Max	
General	Dimensions	L430xW257xH261.5mm	
	Working Temperature	0 ~ 45°C	
	Working Humidity	0~90%	
	Storage Temperature	-20°C ~ 45°C	
	Technical Standard	PSE, FCC, CE, UN38.3, ROHS	
	Net Weight	15Kg	
	Physical Protection	IP54	
	AC Outlet (Optional)	US/JP/UK/EU/Australian/Universal/Chinese	

### **Operating Conditions**

- 1. Operational Environment: IP54 rated, water resistant, suitable for indoor/outdoor and extreme weather conditions
- 2. Operational Temperature: Charge 0°C ~ 45°C, Discharge -20°C ~ 60°C (powering appliances)
- 3. Storage: -20°C ~ 45°C

Visit our website www.srportables.com for more information or contact our technical team on +61 3 8618 6984

# Error Codes

E1	Battery pack over voltage	d1	Over current of car port or aviation socket
E2	Battery pack under voltage	d2	Wireless charging over current
E3	Battery pack failure	d3	DC5521 Over current
E4	Charging over current	d4	TYPE-C input over current
E5	Battery pack over temperature	d5	DC input over current
E6	Battery pack under temperature	d6	TYPE-C input over voltage
E7	Single battery string high voltage	d7	DC input overvoltage
E8	Single battery string low voltage	d8	TYPE-C input under voltage
E9	Internal battery comm. failure	d9	DC input undervoltage
EA	External battery comm. failure	dA	High ambient temperature
Eb	Battery pack overload		
EC	Battery pack failure	P1	PV input overvoltage
Ed	Battery pack short circuit	P2	PV output over voltage
EF	Battery pack load short circuit	P3	PV over current
		P4	PV communication failure
F1	AC communication failure	P9	AC/DC Charger over voltage
F2	AC overload		
F3	ACT1 over temperature	U1	USB1 output failure
F4	ACT1 under temperature	U2	USB2 output failure
F5	ACT2 over temperature	U3	USB3 output failure
F6	ACT2 under temperature	U4	USB4 output failure
F7	AC under voltage	U5	Type-C100W output failure
F8	AC short circuit		
F9	High ambient temperature		