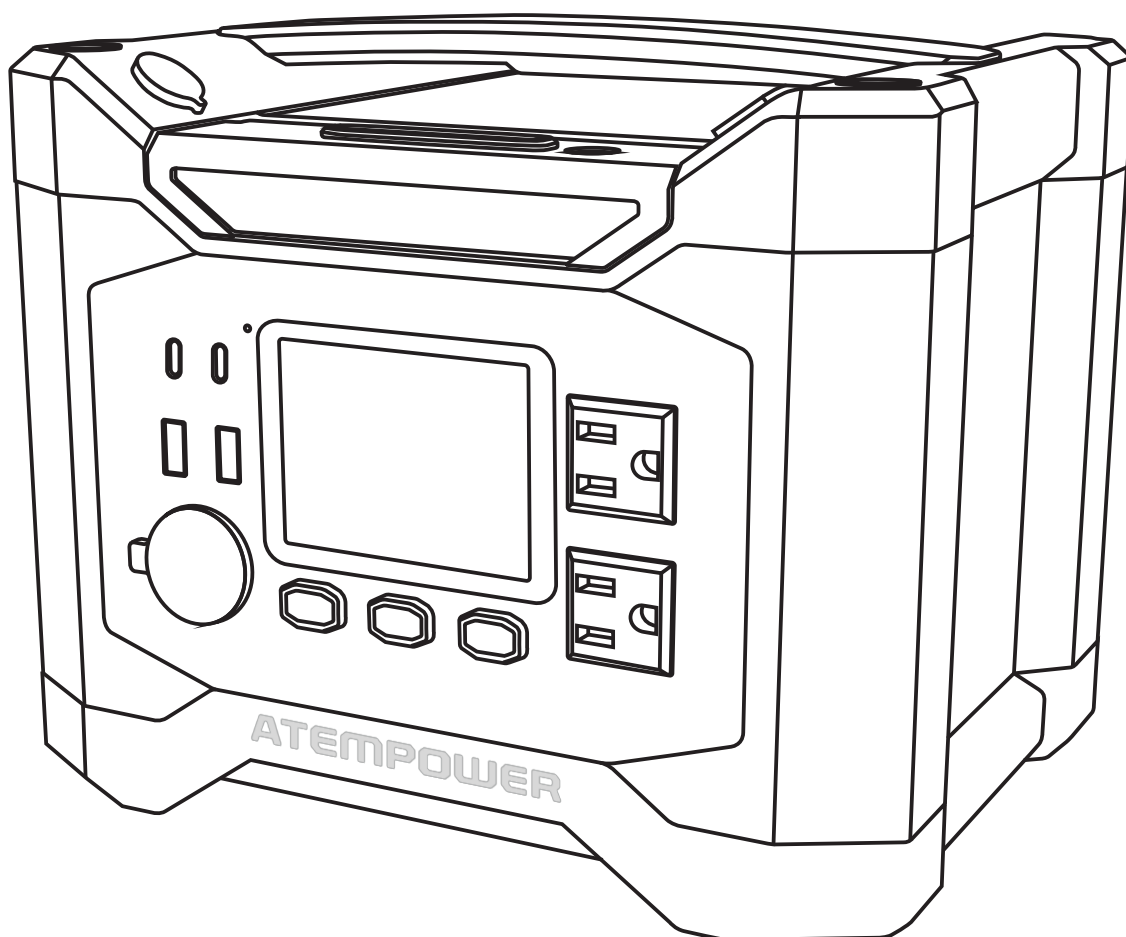




PORTABLE POWER STATION

# USER MANUAL



PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION AND MAINTENANCE,  
FOLLOW ALL PROVIDED WARNING & SAFETY GUIDANCE, AND KEEP IT FOR FUTURE REFERENCE.

## ABOUT US

ATEM POWER, born in June 2017, as a synonym for exciting outdoor experience, is an Australian company with dedication and passion for the R&D of high quality products in the field of renewable energy products, batteries and related accessories.

Since the company was founded, we have committed to innovation that aims to make your life infinitely more convenient. And the belief in our conviction for quality and commitment allows us to innovate in developing products that are optimally tailored to the needs of our amazing customers.

We engineer and supply solar products for homes, 4x4s, recreational vehicles and virtually any application you can think of. And we also develop reliable, high performing deep-cycled batteries and lithium batteries for standby or daily power needs. Accessories include battery chargers and inverters that are ideal for RV's, commercial vehicles, boats, yachts and many more applications!

At ATEM POWER, we stay true to our DNA by prioritizing technological innovation designed to improve our products and striving to provide excellent customer care. Because we are motivated to explore the limits of solar power!

## PACKAGE LIST

- 1 PC(s) ATEM POWER Portable Power Station
- 1 PC(s) Adapter
- 1 PC(s) Car Charger - DC Adapter
- 1 PC(s) User Manual

## WHAT IT POWERS

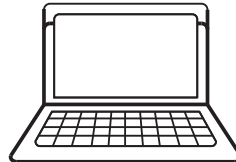
This portable power station by ATEM POWER, made of rechargeable Li(NiCoMn)O<sub>2</sub> battery, inverter and BMS, supports DC and 30A Anderson input and discharges via USB-A and USB-C ports, 12V cigarette lighter socket and AC outlet. It is designed to deliver reliable and efficient source of power during outdoor activities, off-roading, travelling and medical emergency.



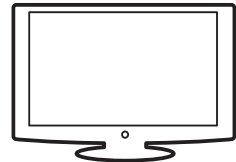
LAMP (5W)  
100+ Hours



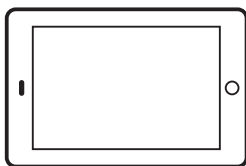
Smartphone (2,800mAh)  
48+ Recharges



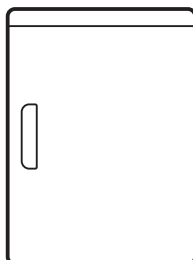
Laptop (7,900mAh)  
5.5 Recharges



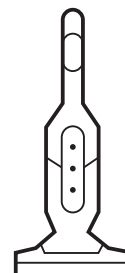
32" LCD TV (98-156W)  
3-5 Hrs



Tablet (29Wh)  
17 Recharges



Mini Fridge (45W)  
11 Hrs



Vacuum Cleaner (600Wh)  
0.83 Recharge

## WARNING & SAFETY GUIDANCE

- The user must read and understand all of the warning and safety messages supplied with your product prior to operation or maintenance.
- Failure to follow these guidance may damage your unit or cause severe accidents!
- Do not disassemble, repair, modify or alter this power station by yourself, since such action will cause potential hazards including fire, explosion or electric shock, result in damage to the unit or injuries as well as void your warranty.
- Children or adults under the influence of alcohol or drug, or those who lack of experience or professional knowledge are not allowed to use this unit.
- Do not use this power station near heat source, fire, flammable chemicals, high voltage electrical fields or where there are combustible fumes or corrosive gases.
- Examine the power station regularly for signs of damage, and you are not allowed to use this portable power station if it is damaged or has been modified or altered.
- Use of substandard or unqualified accessories, including charger or cable, might result in severe accidents.
- Please charge this unit in a well ventilated area, inadequate ventilation may lead to overheat and inefficient charging.
- Please wipe the unit gently with a dry, soft cloth instead of water or solvents, and do not forget to turn off the unit and unplug your electric devices.
- Do not expose your portable power station to moisture, rain, or snow, water or any fluids, store your unit in a dry place instead.
- Do not use or store your power station under high temperatures, direct sunlight or vehicles whose interior is hot !
- Do not use this portable power station in excessive of its output rating, which might lead to fire or injury.
- Do not place this power station on its side or upside down while in use or in storage.
- Charge fully once every 3 months, and do not abuse this unit.
- Do not strike, throw the power station.
- Please unplug your electric device from power station when not in use.
- Do not use damaged accessories.
- Do not subject this portable power station to vibration, impacts, or drops.
- You are required to secure this power station during driving.
- Do not insert foreign objects into any openings in your power station
- All power and current ratings should be followed during operation
- Do not use plugs, connectors, adapters that are not listed in this user manual.

## TROUBLESHOOTING

### 1.Failure to charge

- Connection between charger, power station and AC is loose (and the indicator is not turn on either.)  
Please check whether their connection is clean and tight.
- Connection is clean and tight, but the indicator doesn't turn on.  
Charger might break down, please contact customer service for help.
- The power station cannot be charged even if the indicator is on.  
The power station might break down, please contact customer service for help.

### 2.Electrical Outlet Not Working?

- Check whether the cable is connected correctly.  
Tighten connection.
- The output switch is not turn on.  
Turn on the switch, and the indicator will light up.
- Low battery.  
Charge your power station.
- There is still not output after step 1, 2 & 3 have been tried.  
The power station might break down, please contact customer service for help.

### 3. Electric output is interrupted

- The rated capacity or instant starting power of your electric device is higher than your power station.  
Please choose another portable power station of greater capacity.
- The rated capacity of your electric device is lower than your power station, which automatically shuts off after several hours.  
Your power station is working correctly. Pressure to restart it.
- There is still not output after step 1 & 2 have been tried.  
The power station might break down, please contact customer service for help.

### 4.My power station fails to work even if the rated capacity of my electric device is within that of the power station.

- Your power station needs charging when its battery goes below 20 percent.  
The starting power or rated capacity of the device might higher than the maximum power or rated capacity of your power station.
- Why does my power station make a humming or buzzing noise?  
This power station has integrated air cooling system, whose built-in fans could make heat dissipation rapid and efficient. So it is normal to have a humming noise during operation.

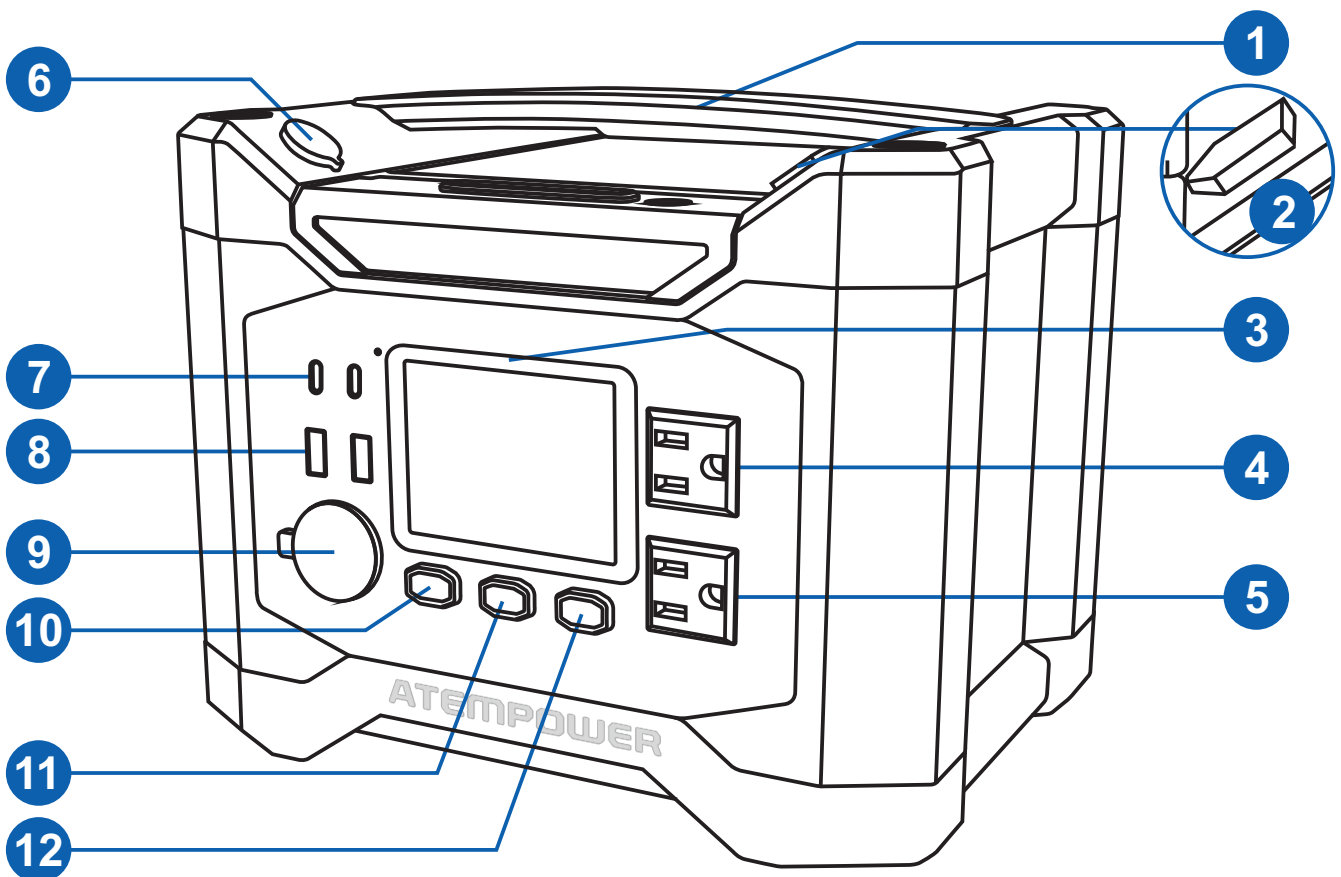
- Is it normal for a battery charger to become very hot?

The answer is, yes. The charger becomes hot during charging. So if you touch the charger and find that it is very hot to the touch, don't panic.

- Why does my power station automatically shuts off after connected to my miniwatt devices for several hours?

Your power station is designed to automatically shut off its output when it is connected to a miniwatt device. This design aims to keep your power station from running out of power when you have forgotten to turn it off.

## GET TO KNOW YOUR POWER STATION



- |  |                              |
|--|------------------------------|
| 1. Handle                              | 7. USB-C Ports               |
| 2. Anderson Input (for solar charging) | 8. USB-A Ports               |
| 3. LCD Screen                          | 9. Cigarette Lighter Socket  |
| 4. AC Outputs                          | 10. DC Power Button (ON/OFF) |
| 5. AC Outputs                          | 11. POWER Button (ON/OFF)    |
| 6. DC Input                            | 12. AC Power Button (ON/OFF) |

## TECHNICAL SPECIFICATIONS

Battery	Battery specification	Li(NiCoMn)O <sub>2</sub> ; 18650; 3,000mAh
	Battery Quantity	48
	Capacity	21.6V/24Ah
	Topology	8P6S
BMS	Charge Cut-off Voltage	24.9V
	Charge Recovery Voltage	24V
	Discharge Cut-off Voltage	16.2V
	Discharge Recovery Voltage	18V
	Max Charge Current	40A
	Max. Continuous Discharge Current	33.18A
	Max. Instant Discharge Current	100.5A, ≤1S
	Charge Temperature	0~40°C
	Discharge Temperature	-20~60°C
	Discharge Monitoring	Support
	Charge Monitoring	Support
Inverter	Input Voltage	16.2V~25.2V
	Output Voltage	115~120V,60Hz(US); 230V-240V,50Hz(AUS)
	Max. Output Wattage	500W
	Conversion Efficiency	≥0.93
	Max. Starting Watts	1000W≤1S
Output	AC Outlet	2
	AC Outlet	Comply with US/Australian Standards
	Cigarette Lighter Socket	1
	Cigarette Lighter Socket Capacity	12V, 8A
	TYPE-C	2
	USB-C output1	(PD 60W PD3.0) 5V/3.0A 9V/3.0A 12V/3.0A 15V/3.0A 20V/3.0A
	USB-C output2	(QC3.0 18W) 5V/3.0A 9V/2.0A 12V/1.5A
	TYPE-A	2
	USB-A output3	(QC3.0 18W) 5V/3.0A 9V/2.0A 12V/1.5A
	USB-A output4	(BC1.2 12W) 5V/2.4A

Input	DC Input	1
	30A Anderson Solar Input	1
Lighting	Adjustable & Removable LED Light	1
	Rated Capacity	500LM, 5W
HCI	Display	3.5" LCD Display
	DC Switch	1
	AC Switch	1
	Display Switch	1

## USER INSTRUCTIONS

- The LCD display will light up when button is pressed, and the backlight will turn off after 15 seconds.
- Press POWER button to power your devices. When not using certain ports, make sure to turn them off to conserve power.
- Turn off the power station when it is not in use.
- Cold temperatures can impact on the battery capacity of this unit, and you are advised to charge it between 0°C~40°C, and discharge it between -20°C~60°C.
- Fully charge the power station before using it for the first time.
- Please charge your power station before use or storage with supplied charger.
- When plugged in to charge the light will be blue, and relevant information will be displayed on the LCD screen.
- Charging will take approximately 7 hours

### Supplied charger

- Approximately 5.5 hours to get fully charged

### AC Generator

- Approximately 5.5 hours to get fully charged (with supplied charger)

### Car charger

- Approximately 7 hours to get fully charged (with supplied charger)

### 100W solar panel

- Approximately 7 hours to get fully charged

(Note: the time it takes to charge is determined by the sunlight intensity.)

# WARRANTY



## WARRANTY PERIOD:

Full 12 months warranty from date of purchase against all manufacturing defects.

This portable power station by ATEM POWER comes with guarantees that cannot be excluded under the Australian Consumer Law.

## WHAT DOES THE WARRANTY COVER?

Under normal usage conditions, this warranty covers:

1. Any defect in design or manufacture which results in its failure to perform correctly as described.
2. We will either repair or replace the product at our discretion provide that the fault is found to have been caused by a design or manufacturing defect and not misuse or tampering.
3. The limited warranty is the only one that applies to this unit, and it sets forth all the responsibilities of ATEM POWER.

## THE WARRANTY DOES NOT COVER:

1. Cost of removing and reinstalling the product.
2. Travel and /or other expenses due to customer's location
3. Transport charges and damage in transit when returning a product.
4. Any loss directly or indirectly associated with the product that fails to operate.
5. Damage caused by mould, misuse, incorrect operation, abuse, adverse weather, accidents and daily wear and tear.
6. This unit is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connection.
7. Misused, abused, modified, damaged by accident, or used for anything other than normal consumer use as authorized in ATEM POWER's user manual.
8. Attempted repair by anyone other than an authorized facility.

For more information, please visit: [www.atempower.com](http://www.atempower.com)