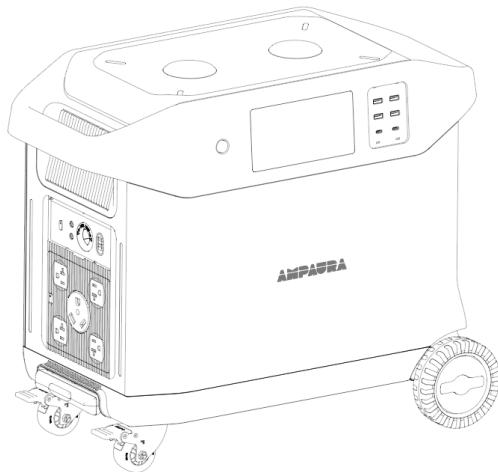




# AmpAura Purea 3

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## Portable Power Station User Manual



## Contents

Introduction.....	1
Features.....	1
Product Details .....	4
Operation Instructions.....	9
Specifications .....	16
Safety Instructions .....	18
Storage & Maintenance .....	20
FCC Caution.....	20

## Disclaimer

Read this user manual carefully before using the product to ensure that you completely understand the product and can correctly use it. After reading this user manual, keep it properly for future reference. Improper use of this product may cause serious injury to yourself or others, or cause product damage and property loss. Once you use this product, it is deemed that you understand, approve and accept all the terms and content in this document. AmpAura is not liable for any loss caused by the user's failure to use this product in compliance with this user manual.

In compliance with laws and regulations, AmpAura reserves the right to final interpretation of this document and all documents related to this product. This document is subject to changes (updates, revisions, or termination) without prior notice. Please visit AmpAura's official website to obtain the latest product information.

## Introduction

Experience the ultimate in power and convenience with the AmpAura Purea 3. Boasting an impressive battery capacity of 3840 Wh, this remarkable device is designed to meet all your energy needs. Whether you're embarking on a thrilling outdoor adventure, exploring the wilderness, or simply seeking peace of mind during power outages, the AmpAura Purea 3 delivers unrivaled performance and reliability.

## Features

- **Your ultimate power solution**

Whatever your adventure entails, rest assured that the Purea 3 has got you covered. With an abundance of versatile output ports such as Anderson, AC, USB-A, USB-C, or even wireless charger, the Purea 3 caters to all your power needs. Whether you're RV-ing, camping, or simply require reliable power while on the move, trust in the Purea 3 to deliver a secure and dependable energy source.

### Output Ports

AC	✓
USB-A	✓
USB-C	✓
Car Outlet	✓
DC5521	✓
Wireless Charger	✓
Anderson Output	✓
RV Port	✓
Parallel Connection	✓

- **Power, power, and power**

Featuring an impressive 3.84 kWh battery capacity, the Purea 3 ensures you never run out of power during your journey. Need more power? You can add an expansion battery for an additional 3.84 kWh of capacity. So add up to 9 expansion batteries and the Purea 3 delivers max 38.4 kWh of capacity. Still need more? Pair 2 units of Purea 3 and up to 18 expansion batteries to achieve 7200 W output and max 76.8 kWh capacity. It's time to say goodbye to worries about power shortages and embrace the freedom to explore without constraints.

Units	Output Power	Capacity
1x AmpAura Purea 3	3600 W	3.84 kWh
2x AmpAura Purea 3	7200 W	7.68 kWh
1x AmpAura Purea 3 + 9x Expansion Batteries	3600 W	38.4 kWh
2x AmpAura Purea 3 + 18x Expansion Batteries	7200 W	76.8 kWh

\*Expansion batteries are sold separately.

- **20ms EPS**

With the Purea 3, the possibilities are limitless. Not only does it serve as a reliable power source for your camping adventures and outdoor escapades, but it also doubles as an essential backup power supply for your home. No more worrying about sudden blackouts—the Purea 3 seamlessly steps in to keep your essential appliances up and running with its 20 ms EPS functionality.

- **Charge in an instant**

Time is of the essence, and with the Purea 3, you won't waste a second. Plug it in to an EV charger (3000 W/240 V) and in just about 1 hour, witness the Purea 3 go from 0% to 75% charge. Need a full charge? It's a breeze with the Purea 3, delivering a complete recharge in as fast as 1.5 hours.



Solar Panel  
Up to 1200 W  
0% to 50% in about 2 hrs  
0% to full in about 4 hrs



AC Wall Outlet  
Up to 1440 W  
0% to 33% in about 1 hr  
0% to full in about 3 hrs



EV Charger  
Up to 3000 W  
0% to 75% in about 1 hr  
0% to full in about 1.5 hrs

- Exceptional power meets unmatched durability**

Discover the exceptional resilience of the Purea 3's cutting-edge EV class LFP battery. Engineered to perfection, it retains an impressive 80% of its original capacity even after enduring 3000 cycles under room temperature conditions. Count on the Purea 3 to provide continuous and durable power for all your needs.

- Embrace tranquility**

Bid farewell to the annoying hum of generators and embrace the serenity of the Purea 3. With a running noise level of less than 50 dB, silence truly becomes golden.

- Take control of your power**

Powered by AmpAura's advanced battery management system, it offers real-time analysis and regulation of voltage, current, and temperature. You can also take control of your power with the convenience of the Purea 3's integrated mobile app. With the Purea 3, safety and efficiency are never compromised.



Scan the QR code to download  
the AmpAura App

Device Management

Device Control

Operation Monitoring

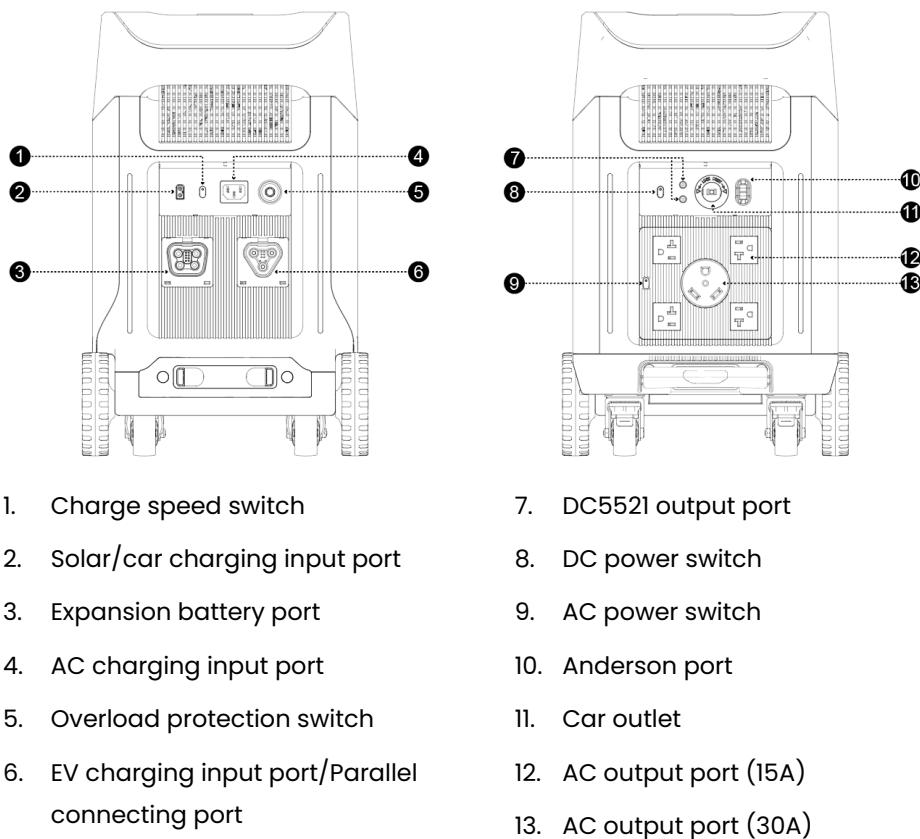
Firmware Update

## Product Details

### What's in the Box

AmpAura Purea 3	x1
AC charging cable	x1
Car charging cable	x1
Jumper cable	x1
DC5521 to DC5525 cable	x1
User manual	x1
5-year warranty card	x1
Certificate of approval	x1

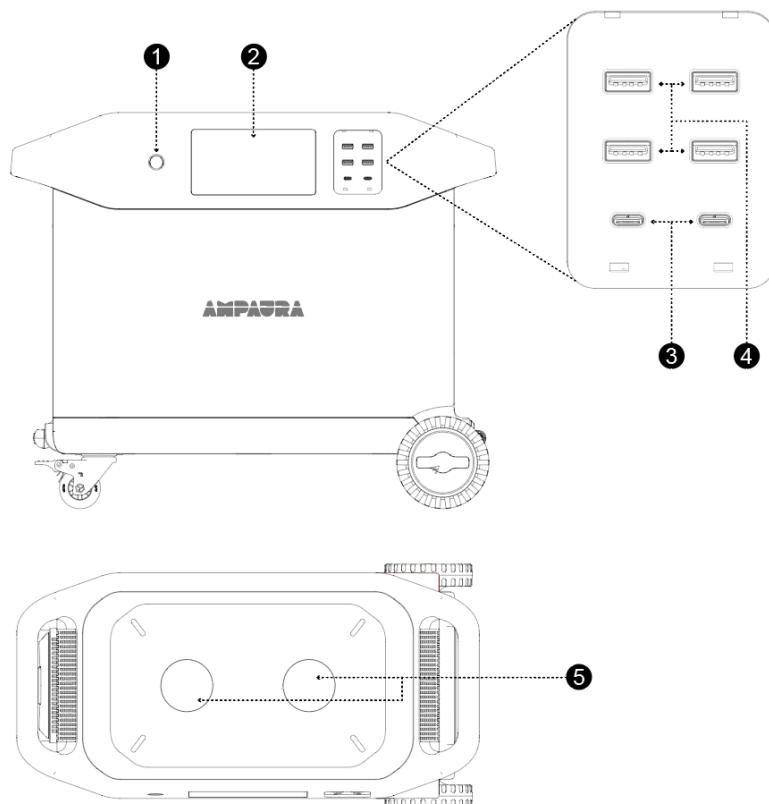
## Overview



\*The type of AC socket varies in different countries and regions. The picture above is for illustration only. Please refer to the actual product.

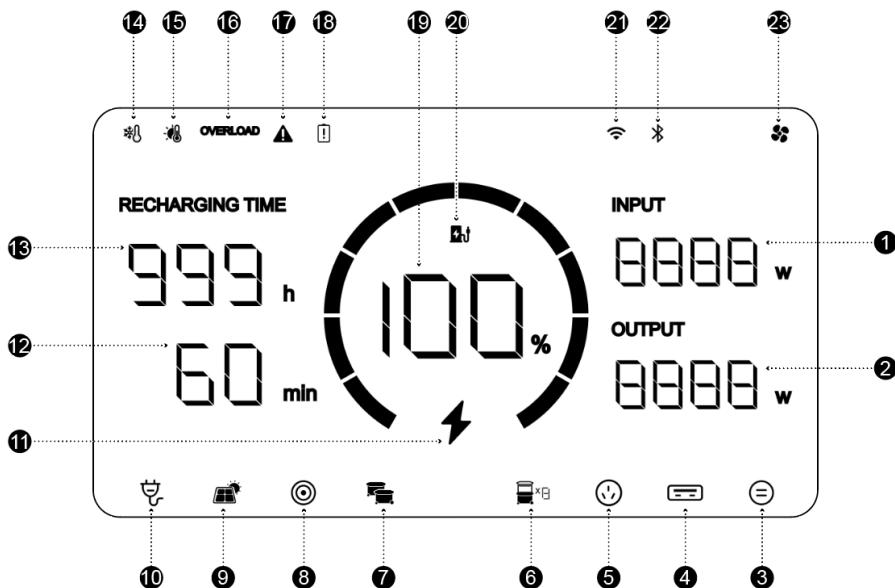
\*The DC power switch also functions as an SOS button. In the event of an emergency, simply press and hold the button for 5 seconds or longer to activate the SOS signal via the AmpAura App (please ensure that the product is paired with the app beforehand). As a visual indicator, the LED stripes of the product will begin to flash rapidly.

\*The AC ports and RV port have a combined maximum power capacity of 3600 W. The total power load should remain below this limit.



1. Main power button
2. LCD screen
3. USB-C output port
4. USB-A output port
5. Wireless charger

\*The DC5521, car outlet, and Anderson port share a maximum current of 30 A. Overcurrent protection is activated if the current exceeds 30 A. The total load of these ports should not exceed 360 W.

LCD Screen

- 1. Input power
- 2. Output power
- 3. Other DC outputs
- 4. USB and wireless charger output
- 5. AC output
- 6. Expansion battery
- 7. Parallel connection
- 8. 12V DC input
- 9. Solar charging
- 10. AC charging
- 11. Charging indicator
- 12. Remaining charge/  
discharge time (minute)
- 13. Remaining charge/  
discharge time (hour)
- 14. Low temperature warning
- 15. High temperature warning
- 16. Overload warning
- 17. Fault warning
- 18. Battery warning
- 19. Remaining battery  
percentage
- 20. EV charging
- 21. Wi-Fi connection
- 22. Bluetooth connection
- 23. Fan indicator

## Troubleshooting

Indicator	Status	Description
 + OVERLOAD	Flashing once every 1s.	USB/Wireless charger overload protection. It will be resumed automatically after removing the overload device.
 + OVERLOAD	Flashing once every 1s.	Anderson, DC5521, and car outlet overload protection. It will be resumed automatically after removing the overload device.
 + OVERLOAD	Flashing once every 1s.	AC output overload protection. It will be resumed automatically after removing the overload device.
 + 	Flashing once every 1s.	Battery temperature too high. Stop charging/ discharging the battery and it will be resumed automatically after the battery cools down.
 + 	Flashing once every 1s.	Battery temperature too low. Stop charging/ discharging the battery and it will be resumed automatically after the battery rises to normal temperature.
 + 	Flashing once every 1s.	AC output temperature too high. Check if the air intakes and vents of the product are unobstructed. The issue is expected to resolve automatically once the temperature decreases.
	Flashing once every 1s.	Fan clogged. Check if the fan is obstructed due to dust, hair, or foreign objects.

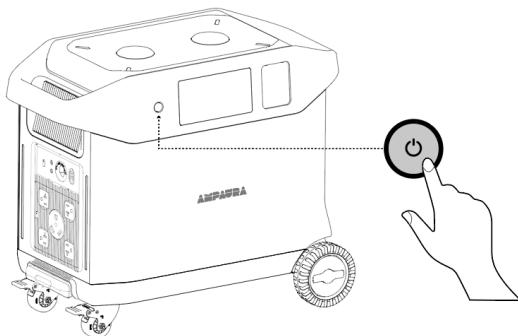
	Battery indicator stays on, fault indicator flashing once every 1s.	Battery warning. Please contact AmpAura customer service for further assistance.
	Flashing once every 1s.	Other warning. Please refer to AmpAura App for further information.

## Operation Instructions

### Power On/Off

Press the main power button to turn on the device and the LCD screen will light up. Press and hold for at least 1.5 seconds to turn off the device.

After the main power turned on, short press the main power button once to turn off the LCD screen. The product defaults to 30 minutes of standby time, you can set the standby duration in the app.

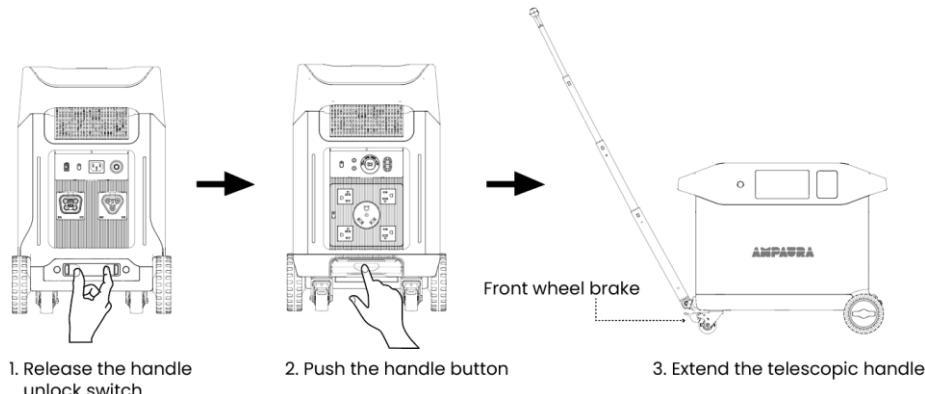


### Portability

With a rugged, luggage-like handle, the Purea 3 can be wheeled around with ease and offers two modes.

## Four-wheel Mode

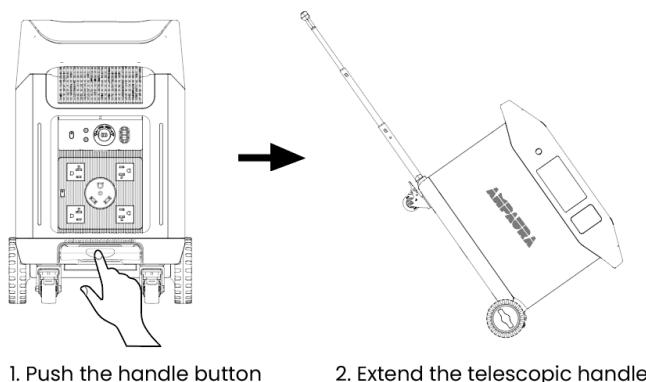
To extend the handle, release the unlock switch on one side of the product and then push the handle button on the other side.



- Four-wheel mode is best suited for use on paved surfaces.
- It is recommended to engage the front wheel brake when the power station is stationary.
- When stationary or in motion, the product should not be tilted more than 10° to either side, as it may cause the handle to break.

## Two-wheel Mode

To extend the handle, simply push the handle button.

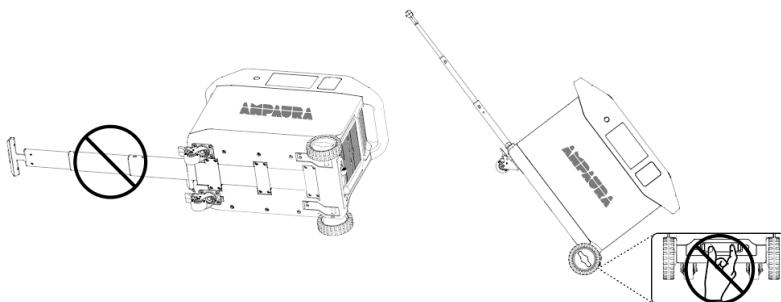


It is recommended to use the two-wheel mode for grassy or unpaved surfaces.

### Important Notes



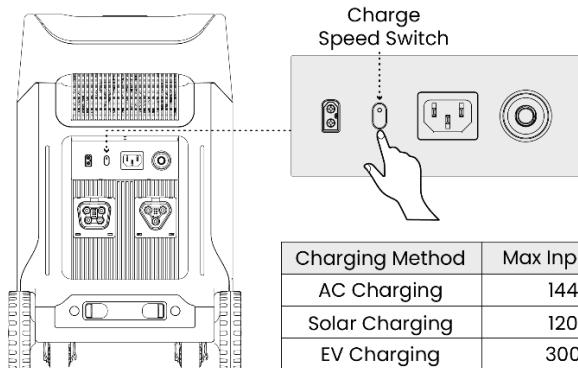
- In case of a tip-over incident, do NOT attempt to use the handle to upright the product to avoid handle breakage.
- Do NOT release the handle unlock switch while in motion in the two-wheel mode to prevent accidents.



AmpAura takes no responsibilities for any consequences caused by failures to follow instructions.

### Adjust Charge Speed

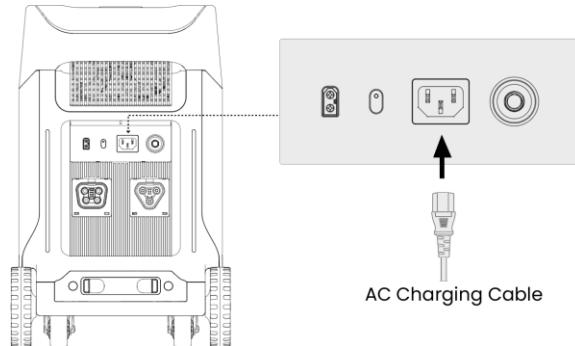
Press the charge speed switch to toggle between fast and slow charging mode. The fast charging mode allows the product to recharge at full speed, while the slow charging mode reduces the charging power by half.



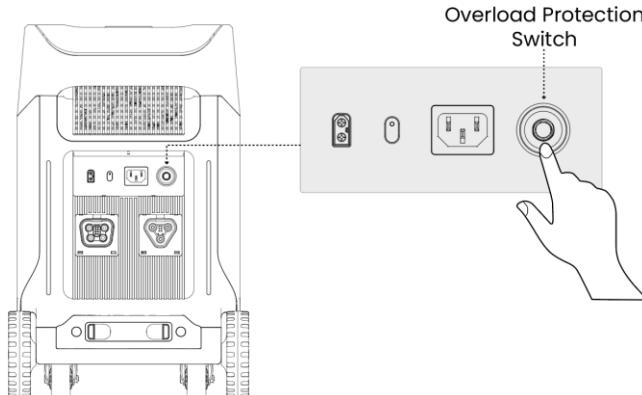
Charging Method	Max Input Power
AC Charging	1440 W
Solar Charging	1200 W
EV Charging	3000 W
Car Charging	96 W

## AC Charging

AC charging offers 1440 W of max input power. You can control the charging power through the AC charge speed switch.

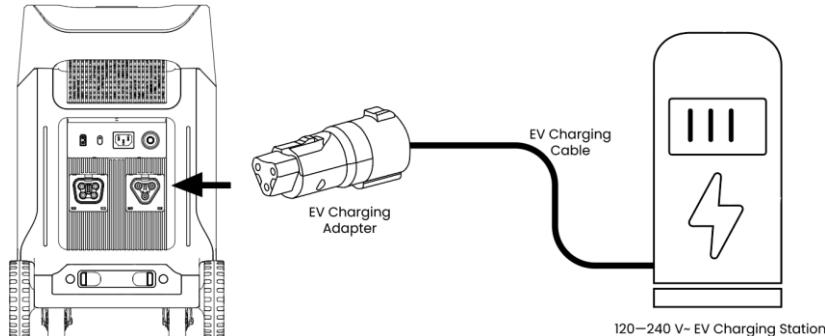


In case of unusual situations where the AC input current remains higher than 20 A or the AC input voltage remains higher than 120 V, the overload protection switch on the product will automatically pop up and disconnect the input power. You can then check if there is any product failure. If everything is okay, you can press the overload protection switch to resume charging.



## EV Charging

EV charging offers 3000W (240V) or 1900W (120V) of max input power. You can connect the EV charging cable to one end of the EV charging adapter, and then plug the other end of the adapter into the Purea 3. Please note that only 120–240 V~ charging stations are supported.

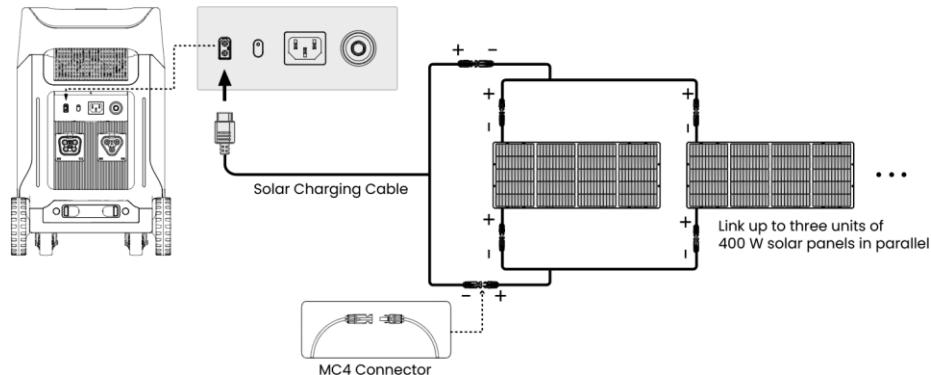


\*EV charging adapter is sold separately.

## Solar Charging

Solar charging offers 1200 W of max input power. You may link up to three units of 400 W solar panels in parallel to achieve max input power.

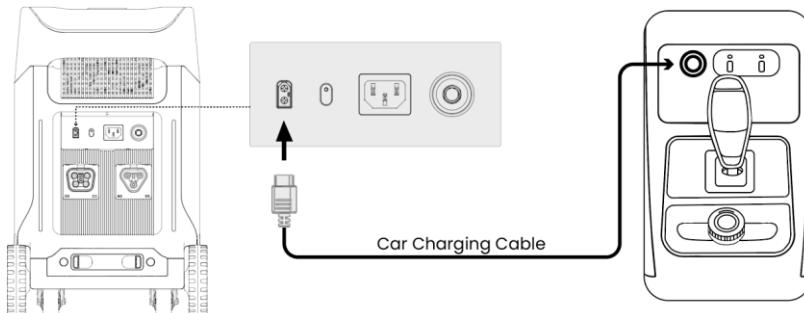
\*Please note that only AmpAura solar panels are compatible with recharging the Purea 3. Products from other brands are currently not supported.



\*Solar charging cable is sold separately.

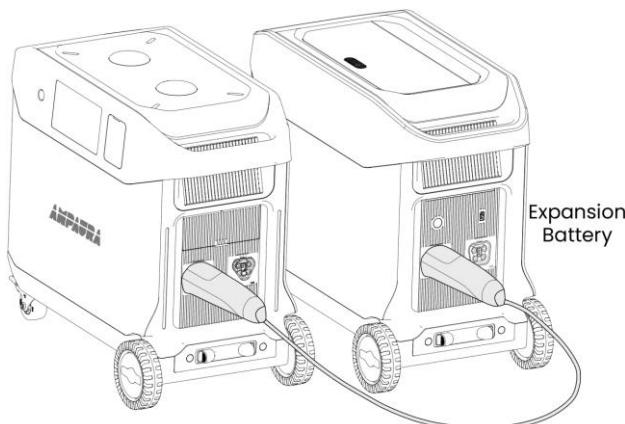
## Car Charging

You can charge the Purea 3 through the car outlet. It supports 12 V car charger and 8 A of default charging current.



## Expansion Battery

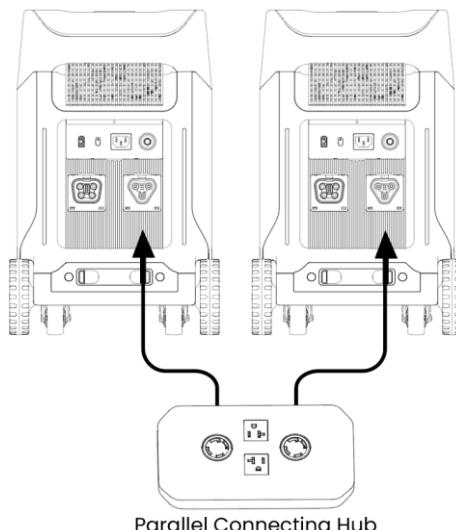
A Purea 3 can link with up to nine expansion batteries for extra capacity. Each battery offers 3.84 kWh of capacity. It is important to note that both the Purea 3 and expansion batteries must be turned off before you connect/disconnect them.



## Parallel Power Station

The Purea 3 is parallel capable, meaning that you can link two units together to double the output power (7200 W) and capacity (7.68 kWh). To achieve this, simply connect the parallel connecting ports of both units to the parallel connecting hub and you are good to go. No muss, no fuss. Once the setup is complete, the parallel connection indicator will be displayed on the LCD screen.

It is also important to note that both units of Purea 3 must be turned off before you connect/disconnect them.



Parallel Connecting Hub

\*Parallel connecting hub is sold separately.

# Specifications

## General

Net Weight	< 51 kg	
Dimensions	605 mm × 295 mm × 495 mm	
Warranty	5 years	
EPS	Supported *Transfer time: 20 ms	
Running Noise	<50 dB	
Smart Charge	Yes	
Max Operating Altitude	2000 m	
Scalability	Link up to 2 units of Purea 3 and 18 expansion batteries to get 76.8 kWh in total.	
Connection	Bluetooth & Wi-Fi	
Discharging Environment	Temperature	−10°C to +45°C (+14°F to +113°F)
	Humidity	60 ± 25% RH
Charging Environment	Temperature	0°C to 45°C (32°F to 113°F)
	Humidity	60 ± 25% RH
Storage Environment	Temperature	−10°C to +45°C (+14°F to +113°F)
	Humidity	60 ± 25% RH
App Control	Remote Control, Smart Measurement, Smart Energy, Carbon Footprint Report, OTA Upgrade, Firmware Update	

## Battery

Battery Capacity	3.84 kWh	
Cell Chemistry	EV class LFP battery cell	
Cycle Life	3000 cycles to 80%+ capacity (room temperature)	
Battery Management System (BMS)	Over Voltage Protection	Yes
	Overload Protection	Yes
	Over Temperature Protection	Yes
	Short Circuit Protection	Yes
	Low Temperature Protection	Yes
	Low Voltage Protection	Yes
	Overcurrent Protection	Yes

## Input

Charging Method	AC wall outlet, solar panel, EV charger, car charging
AC Charging	1440 W, max 12 A, 120 V~, 60 Hz
Solar Charging	1200 W, max 20 A
EV AC Charger	3000 W/240 V~ or 1900 W/120 V~ (Adapter required)
Car Charging	Max 96 W (12 V=8 A)
MPPT Number	1
MPPT Input Voltage Range	15 V== to 60 V=

## Output

AC port x4	Max 3600 W in total, 120 V~, 60 Hz, max 15 A per port	*The AC ports and RV port have a combined maximum power capacity of 3600 W. The total power load should remain below this limit.	
RV port	30 A/3600 W		
USB-A x4	Max 24 W per port, 5 V=3 A, 9 V=2.67 A, 12 V=2 A		
USB-C x2	Max 100 W per port, 5 V=3 A, 9 V=3 A, 12 V=3 A, 15 V=3 A, 20 V=5 A		
Car Outlet	12 V=10 A	*These three output ports share a maximum current of 30 A. The DC5521 and car outlet share a maximum current of 10 A. The total power load should not exceed 360 W.	
Anderson Output	12 V=30 A		
DC5521 x2	12 V=3 A		
Wireless Charger x2	15 W		

## **Safety Instructions**

### Usage

1. Before using the product, carefully read and understand the user manual provided by the manufacturer. Familiarize yourself with the product features, specifications, and safety guidelines.
2. The product is for indoor use only and no outdoor use is allowed under any conditions.
3. Ensure that the product is used only with outlets that are suitable for its power rating. Do not overload the product or the outlets, as it may lead to overheating, electrical fires, or damage to the unit.
4. Do not use the product in an environment with strong static electricity/magnetic fields.
5. Do not disassemble the product in any way or pierce the product with sharp objects.

6. Keep the product away from water, moisture, or any other liquids. Exposing it to water can cause electric shock, damage to the components, or complete failure of the unit.
7. Ensure that the product is used in a well-ventilated area. Avoid covering or obstructing the vents, as it can cause overheating and reduce the lifespan of the unit.
8. When not in use, store the product in a clean, dry, and cool area. Avoid exposing it to extreme temperatures (e.g., direct sunlight, freezing temperatures), as it can affect its performance or cause irreversible damage to the battery.
9. Utilize the cables and connectors that come with the product or those recommended by the manufacturer. Using incompatible or faulty cables might result in electrical hazards or damage to the unit.
10. Do not drop, crush, or subject the product to excessive force. Mishandling can damage the internal components, leading to electrical failures or safety hazards.
11. This product is not recommended for powering medical emergency equipment related to personal safety, including but not limited to medical grade ventilators (hospital version CPAP: Continuous Positive Airway Pressure), artificial lungs (ECMO: Extracorporeal Membrane Oxygenation). It is essential to follow your doctor's instructions and consult the manufacturer regarding any restrictions on using this equipment. If using this product with general medical equipment, please ensure you monitor the power status to prevent power depletion.
12. Prevent the product from coming into contact with flammable materials, such as gasoline, solvents, or aerosols. These substances may catch fire or explode if they are exposed to electrical sparks or high temperatures.
13. Follow the manufacturer's recommended maintenance guidelines, such as cleaning or inspecting the product periodically. This helps identify any abnormalities, loose connections, or signs of wear and tear that may affect safety or performance.
14. Ensure that the product is placed out of reach of children and pets to prevent accidental injury or damage. Never allow them to play with the unit or its accessories.
15. In the event of an emergency or malfunction, immediately disconnect

the product from the power source or connected devices, if possible. Contact the manufacturer for guidance or seek professional help if needed.

## **Disposal Guide**

1. Never throw the batteries of the product in the regular trash or discard it in the environment. The batteries contain potentially dangerous chemicals that can harm the environment if not disposed of properly.
2. When possible, fully discharge the battery before disposing of it. Follow your local regulations for proper battery disposal or recycling.
3. If the battery cannot be fully discharged due to product failure, contact a professional battery recycling company for further advice.

## **Storage & Maintenance**

1. Ideally, the product should be used and stored in an environment with temperatures between  $+20^{\circ}\text{C}$  ( $+68^{\circ}\text{F}$ ) to  $+30^{\circ}\text{C}$  ( $+86^{\circ}\text{F}$ ). Keep it away from water, intense heat, and sharp objects. To ensure optimal conditions, avoid storing it in temperatures exceeding  $+45^{\circ}\text{C}$  ( $+113^{\circ}\text{F}$ ) or below  $-10^{\circ}\text{C}$  ( $+14^{\circ}\text{F}$ ).
2. For long-term storage, we advise discharging the product every three months. Begin by discharging it to 0%, then fully recharge it, and finally discharge it to 60%. It's important to note that if the product remains uncharged or undischarged for more than 6 months, it will not be covered by the warranty. Following this maintenance routine will enhance its longevity and performance.

## **FCC Caution**

### **Information to User**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are

designed to provide reasonable protection against harmful interference in a residential installation. This device generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in mobile exposure condition at least 20cm distance between the human body.

## **ISED Warning**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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### **Statement**

Thank you for choosing AmpAura product. Please note that AmpAura may make improvements and/or modifications to this document at any time and without prior notice to ensure accuracy and reliability. If you encounter any difficulties while using the product or have any suggestions, please do not hesitate to reach out to us using the contact information provided in this document. We will make every effort to resolve any issues you may encounter and carefully consider and implement any suggestions you provide.

#### **Official Website**

[www.ampaura.tech](http://www.ampaura.tech)

#### **Customer Service**

Phone: (702) 604-1763  
Email: [support@ampaura.tech](mailto:support@ampaura.tech)