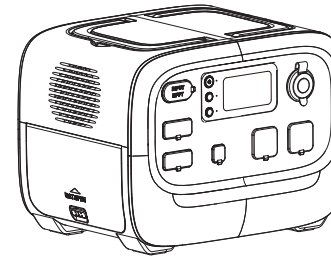


Smart Tap

# PowerArQ 3



Portable Power Station

## PA50

Instruction Manual

### POINT

Thank you for purchasing the PowerArQ 3. Please read this manual carefully and keep it in a safe place. Improper use may result in fire, electric shock, or other danger that may cause injury. When transferring the battery to another user, be sure to also transfer the instruction manual and the order number or receipt from the authorized distributor.

**FOR USE IN AMERICA ONLY**  
WARRANTY VOID IF USED OUTSIDE AMERICA

Ver 2.1

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Thank you very much for purchasing the SmartTap PowerArQ3.



**Please note the following points before reading this instruction manual.**

- The contents and informations of this manual will be change without notice.
- There is a possibility that the design and technical specifications of this product are subject to change without announce.
- Please contact us if you have any questions that are not mentioned in the manual.
- The instruction manual only for personal use, may not be copied or reproduced.

### At the beginning

#### This is a 555wh portable power station.

It can keep your home, lights, or any type of electronic device running for a long time in situations where you need outdoor or emergency power. PowerArQ3 is designed to provide powerful power to the electronics and appliances you need in case of emergencies or while you are outdoors, camping, or staying in your car.

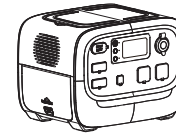


**Enjoy a new outdoor life !**



### Please check the list of items before using it.

#### 1. Portable Power Station-PowerArQ3



1 pc

#### 2. AC Adapter



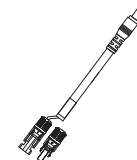
1 pc

#### 3. Instruction Manual



1 pc

#### 4. MC4 Cable (1.5m)



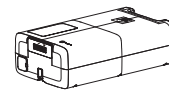
1 pc

#### 5. Car Charging Cable (1.5m)



1 pc

#### 6. Extra Battery (555Wh)



1 pc

#### 7. AC Output Rubber Cover



2pc

※ The [6. Extra battery] is seted in the [1.-PowerArQ3] before shipment.



## Please check the operation of PowerArQ3 before using it.

### 1. How to check the operation of the included AC adapter.

- 1: Connect the AC adapter to the battery and connect it to a household outlet.
- 2: Make sure that INPUT shows about 160~200W in the LCD display

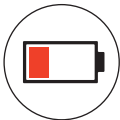
※ Depending on the capacity the W (wattage) of the charge may vary. And the wattage is smaller when the battery is close to full.

※ The lamp on the AC adapter will light up red during charging. If the plug is disconnected, wait about 5 seconds and reconnect it after the lamp changes to green.

※ The lamp on the AC adapter will light up green when charging is complete.

### 2. How to check the operation of PowerArQ 3.

- 1: Make sure that the INPUT and OUTPUT are 0W after press the power button.
- 2: Make sure that the LED light on aftern press the LED button.
- 3: Make sure AC can used for electronics after turn on the AC OUTPUT button
- 4: Make sure DC can used for electronics after turn on the DC OUTPUT button.
- 5: Make sure wireless charging is available after turn on the DC OUTPUT button.
- 6: Make sure that each terminal insertion is not too hard.
- 7: Make sure that each terminal is not loose or damaged.



**it is shipped not fully charged due to protect the life of the battery. Please charge the battery first.**

#### FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

This equipment 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 equipment 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.

#### FCC RF exposure statement:

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance between 20cm the radiator your body.

#### ● How to contact us

## SmartTap Owner's Desk

✉ support-usa@powerarq.com

Please prepare your order number first that we can respond smoothly.

## Please observe the following precautions to ensure safety.



**WARNING** Extent of imminent hazard which has the potential to cause death or serious injuries.  
 ※ Serious injuries include blindness, burns, electric shock, broken bones, and poisoning which can lead to complications, hospitalization, or permanent medical treatment.



**CAUTION** Extent of hazard or damage which has the potential to cause injury or damage to physical property.  
 ※ Injuries include burns, electric shock, etc., which may require hospitalization and ongoing treatment.  
 ※ Physical property include houses, household goods and pets.



- Do not disassemble, repair, or modify this product.
- Do not expose the product to any shock or force such as hammering, dropping.
- Do not store the product in a high place where the product may fall.
- Do not dispose of them with general waste.
- Do not place this product or its accessories near or in a fire, or expose them to extreme temperatures such as direct sunlight or inside a car in summer.
- Do not charge, use, or store this product in a bathroom or rainy and humid place.
- The product only for charging and use, and do not use them for other purpose.
- Do not touch the product or plug with wet hands.
- Please do not touch the AC, DC and USB with metals.
- In case of accidental entry of product liquid into eyes, immediately wash with a sufficient amount of flowing water and seek medical attention.
- Do not use a charging cable not included PowerArQ 3.
- Do not use an AC adapter not included PowerArQ 3.
- Do not use the included AC adapter for any other product.
- Do not use the power cord if the connector is loose or deformed, this may cause smoke or fire.
- Do not use it and contact the owner's desk first, if PowerArQ3 does not respond.
- Do not move the product while it is charging or supplying power.
- Please check the rated output of the outlet and the connected equipment, and do not exceed the rated output.
- Do not store, or use the product in a fire-safe environment such as near a gas stove in the kitchen at home, near a campfire or cassette stove while camping, or in a smoking area. Heat may build up and cause a malfunction if they are bundled together.
- Do not bundle or stack the cable included in the AC adapter, keep them stretched out to using. Heat may build up and cause a malfunction if they are bundled together.
- Be sure to plug it all the way seated, and use the 120V AC household outlet alone without an extension cord or power strip. When charging this product, it may not be able to charge properly due to insufficient voltage at the outlet if you use an extension cable or power strip to charge this product.



- This product should be used only in a clean and dry environment.

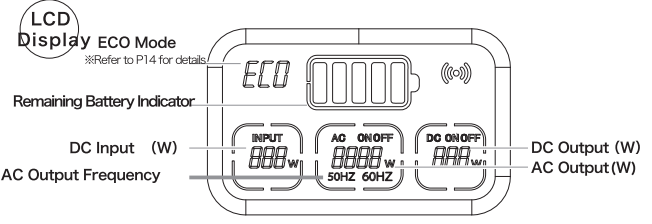
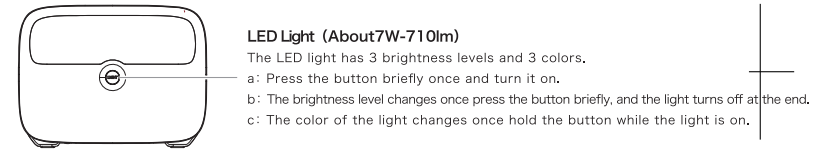
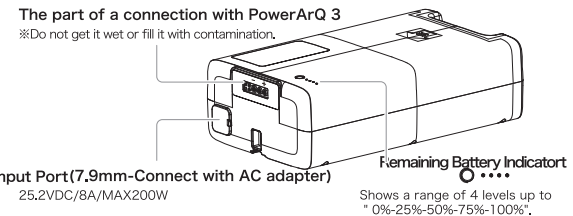
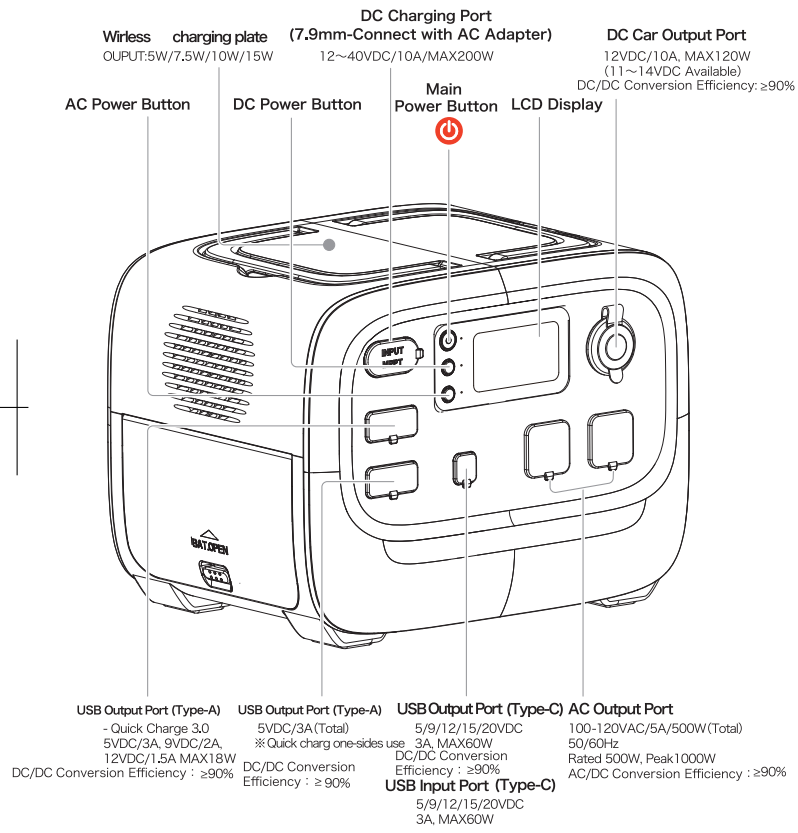
- Do not use this product near the beach. The sea breeze may have a harmful effect on this product.
- Do not use the product in wet, extremely humid, smoke-filled, or dusty environments. It may cause smoke or fire.
- If any damage or abnormality is found on the product, stop using the product and contact the distributor or owner's desk.
- Do not use or store in high temperatures, like inside the car, trunk, or place in direct sunlight.
- If the AC adapter is cracked or damaged, stop using the product and contact your distributor or owner's desk.
- Do not let children use this product.
- Never place the product within reach of children.
- Do not charge the battery when a typhoon or lightning strike occurs. It may cause overcurrent from the outlet.
- Do not use the AC output except the setting voltage(AC120V).
- Do not place this product on its side or upside down while in use or storage.
- Do not leave this product unattended while it is charging. Stop connecting the product when it is finished charging.
- Inspect the product before and after use to make sure there are no problems.
- Do not use of this product any more if you notice rust, peculiar odor, overheating, or any other unusual conditions.
- It cannot be carried on an airplane and cannot be transported by air.
- When transporting this product in a car, make sure it is properly secured.
- Charging by using the supplied dedicated AC adapter included.
- If this product is used in an environment outside the ambient temperature range of -10°C to 45°C, it may cause heating or performance degradation.
- Do not get this product wet with water or any other liquid.
- Stop using it if the product is accidentally dropped or bumped. Ask the distributor inspect and repair it in order to prevent accidents.
- Make sure that the product is in power off state before connecting this product.

### Disclaimer Asserts

- We are not responsible for damages caused by fire, earthquake, or use by a third party.
- The warranty includes all terms and conditions. Items not listed are outside the scope of our responsibility.
- We are not responsible for any damages resulting from misuse or non-compliance with the instruction manual.
- We are not responsible for accidents, including fire or machine failure, resulting from overly burdensome professional use.
- This product is not designed to the operation of medical devices related to personal safety. We are not responsible for any damages resulting from the use of medical devices.
- The warranty does not apply to products purchased from non-authorized distributor. We are not responsible for any damage caused by the use of such products.
- Battery degradation is not covered by the warranty.

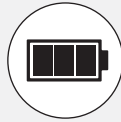
# 1 SmartTap PowerArQ 3 Name of Parts/Instructions

AC 100-120V OUTPUT Port	2PCS	DC INPUT Port	1PC
USB IN/OUT Port	5PCS	DC Car Output Port	1PC
Wireless discharging plate	1PC	※USB Type-A Port:4PCS/USB Type-C Port:1PC	



- There are 5 levels of the battery indicator, approximating 0%-20%-40%-60%-80%-100% of capacity.
- The battery indicator will disappear 1 level at a time depending on remaining battery.
- The lamp on the AC adapter will light up red during charging and the battery indicator will flashing rise for each level.
- The lamp on the AC adapter will light up green when charging is complete and the battery indicator will shows all 5 level.
- The remaining battery indicator is for reference only, There is a bit of a discrepancy here.
- If the product malfunctions, error codes would be displayed on screen.
- If the remaining battery shows 1 level, stop using PowerArQ3 and recharge it.

## 2 SmartTap PowerArQ 3 Charging Methods



Charge the battery first before use or storage.  
Maintain the battery at 20-80% capacity when storing the battery for a long time. Do not fully charge the battery.  
Also, check the remaining battery and operation once every three months.



- Charge this product only when the temperature is between 0 and 40°C. Remove the AC adapter from the battery when charging is complete.
- Only can provide a MAX AC output of 500W.
- May not operate even if the power consumption is less than 500W when multiple devices are used.
- Compared to an in-home outlet, the devices may not operate equivalently.
- Electromagnetic interference may occur if connected to radio, video player, or TV screen.
- Storing the battery for a long time with 0% or more than 80% of remaining battery may not work properly when used.

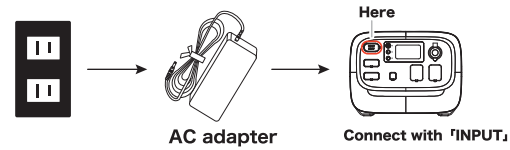


**PowerArQ3 cannot support parallel or series use.**

## 1 SmartTap PowerArQ 3 Wall outlet charging



PowerArQ3 can be recharged from a wall outlet by using the included AC adapter, which takes about 3 to 4 hours to fully charge from a 120V wall outlet.



- ※ As the battery nears full charge, the charging speed will slow down. Because current is suppressed to reduce the load.
- ※ The lamp on the AC adapter will light up red during charging. If the plug is disconnected, wait about 5 seconds and reconnect it after the lamp changes to green.
- ※ The lamp on the AC adapter will light up green when charging is complete.
- ※ Be sure to plug it all the way seated, and use the 120V AC wall outlet alone without an extension cord or power strip when charging this product. It may not be able to charge properly due to insufficient voltage at the outlet if you use an extension cable or power strip to charge this product.
- ※ PowerArQ3 extra battery cannot be charged from solar panels or car due to the input voltage is 25.2VDC. If transform the voltage to 25.2V, may be able to charge the battery.



### How to use AC Output.

ON

- ① Press power button → Press and hold AC button → AC lamp is turn on
- ② The "AC ON" will shows on in LCD display.

OFF

- ① Press and hold AC button → AC lamp is turn off
- ② The "AC ON" will shows on in LCD display.

## 2 SmartTap PowerArQ 3 USB Type-C Charging

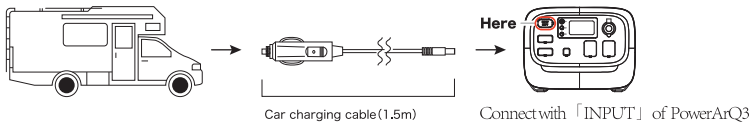


Support a PD input of 60W by using Type-C. (Type-C cable is sold separately)  
In addition, charging is simply by connecting a USB Type-C cable because the input/output switching is auto-detected. It can be recharged in a shorter time when charging with AC adapter as the same time.

## 3 SmartTap PowerArQ 3 Car Charging

Car charging cable is included.

Fully charge: about 7 hours(12V/8A or 24V/4A)



※ Actual charging time will vary depending on the car model.  
※ If the charging speed slows down during charging, remove the plug and reconnect it to start charging again.  
※ Make sure car charging cable is properly inserted into the car cigar socket.

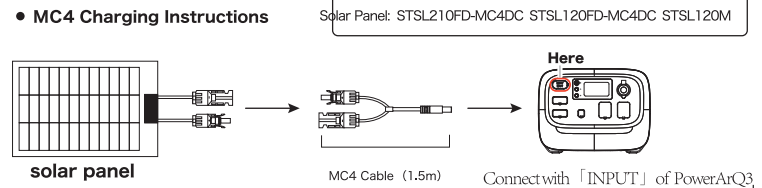
### How to use DC car output port

- ON** ① Press main power button → Press and hold DC power button → DC lamp is turn on  
② The “DC ON” will displayed on in LCD screen.
- OFF** ① Press and hold DC power button → DC lamp is turn off  
② The “DC OFF” will displayed on in LCD screen.

## 4 SmartTap PowerArQ 3 Solar panel charging

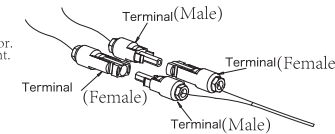


MC4 Cable is included. Users can connect solar panels of PowerArQ Solar (STSL120M), (STSL120FD-MC4()), (STSL210FD-MC4DC).



### MC4 Connection Method

- Insert it until you hear a click from the MC4 connector.
- The connector is litter hard and requires some strenght.
- Push the claws in and you can pull them out.



### How to improve solar panel efficiency

- 1: Avoid installing solar panels in shaded areas.
- 2: Get an expert to install your solar panels. As we know the factors are angle and sunshine. Some of the main things to consider when installing panels are the orientation and the angle. For example, solar panels should sit at 75 degrees for maximum sunlight exposure when sunlight is in the 75 degrees.

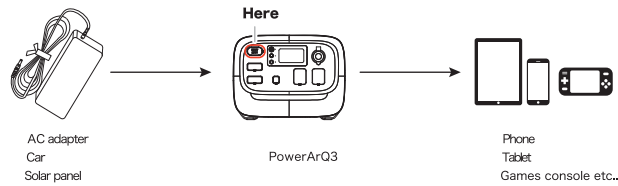


- If the voltage is within the range of 12-40V and the maximum power is less than 200W, it can work by third-party solar panels. But we're not guarantee and guidance on how to use it.
- It's not covered by warranty in case of malfunction by third-party solar panels.
- STSL100, STSL101 are not available.

### 3 SmartTap PowerArQ 3 Pass-through charging



When the PowerArQ3 has the ability to charge itself and charge devices at the same time as below.



**! However, this should only be used in emergency situations to prevent battery degradation.**

#### How to use USB output port (DC Output)

- ON** ① Press main power button → Press and hold DC power button → DC lamp is turn on  
② The "DC ON" will displayed on in LCD screen.
- OFF** ① Press and hold DC power button → DC lamp is turn off  
② The "DC OFF" will displayed on in LCD screen.

### 4 SmartTap PowerArQ 3 Frequency/ECO mode

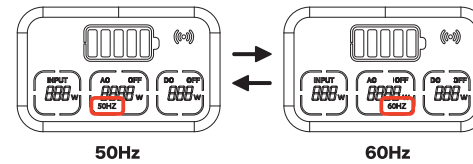
#### Frequency Setting 50Hz ↔ 60Hz

1: Turn on the main power, keep AC and DC power off, press and hold AC and DC power buttons as same time for about 2 seconds to get into setting mode. Then current frequency will flashing on in LCD screen. (50Hz or 60Hz)

2: Long press AC power button to change frequency 50Hz or 60Hz then press AC and DC at the same time to get out the setting mode.

3: Restart the main power to take into effective.

※ Default setting is 50Hz.



#### ECO Mode

- ECO Mode is means the power will automatically turn off after a certain period of time.
- AC output turn off when the AC output < 30W, and last 4 hours
- DC output turn off when the DC output < 5W, and last 5 hours
- Main power turn off automatically after DC and AC output turn off.
- ※ You need to turn off the power manually without ECO mode (=Normal Mode)

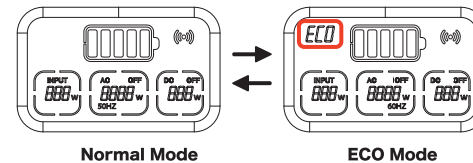
#### • ECO Mode Setting

1: Turn on the main power, keep AC and DC power off, press and hold AC and DC power buttons as same time for about 2 seconds to get into setting mode.

2: Long press DC power button to change change energy saving mode, ECO will displayed on in LCD screen. Then press AC and DC at the same time to get out the setting mode.

3: Restart the main power to take into effective.

※ Default setting is Normal Mode.(Not ECO Mode)





# 5

## SmartTap PowerArQ 3 FAQS

### Q1 | What type of battery is in the PowerArQ 3 ?

**A** It has built-in lithium-ion battery (18650) with high safety. Lithium-ion batteries combine a high power output with a very compact size.

### Q2 | Can I charge PowerArQ 3 while supplying power at the same time?

**A** Yes, PowerArQ 3 supports pass-through charging. However, this should only be used in emergency situations to prevent battery degradation.

### Q3 | Can I take the battery into airplane?

**A** No, you cannot take it into airplane.

### Q4 | What does the sine wave inverter mean?

**A** Home appliances that mainly use motors with the square wave may not work properly. Household electrical outlets are sine wave and PowerArQ 3 is also a sine wave type.

### Q5 | Can I charge wireless device(13.8V) with DC car output port?

**A** Yes, car output port support 11~14VDC.

### Q6 | There are scratches on the LCD screen.

**A** A transparent screen protection sticker is attached to the LCD screen. Please remove and recheck it.

### Q7 | What should I do if the AC adapter doesn't work?

**A** We can provide a new AC adapter within the warranty period. Please contact our Owner's Desk.  
※Battery degradation is not covered by the warranty.

### Q8 | Is the PowerArQ 3 dustproof and waterproof?

**A** Yes. However it is not completely dustproof and waterproof, but very simple dustproof and waterproof. The international dust and water resistance protection rating is equivalent to IP33.  
The definition of proof is as follows for your reference. Please away from fine particles such as sand and water droplets such as rain.

-Dustproof IP3X : Cannot be penetrated by a solid object 0.09 in. (2.5mm) or more in diameter  
-Waterproof IPX3 : Protected from things above 2.5 mm, which includes most tools and thick wires.

※All rubber covers are in closed.

### Q9 | How much capacity is 555Wh?

**A** 555Wh refers to the time. In particular it means the capacity to operate a device with a power consumption of 555W (watts) for one hour. A device with a power consumption of 100W can run for about 5.5 hours. (Of course, this is a theoretical value and the actual working time will different.) The actual working time may change depends on the power consumption, the temperature environment, or the deterioration of the battery. More power that can be taken out if the output is small, less power that can be taken out if the output is large. Also, the power that can be taken out from a DC is more than AC because of the conversion efficiency.

### Q10 | Can it be used for medical devices?

**A** This power station is not designed for medical devices and we cannot guarantee the operation. Also we are not responsible for any damage caused by the use of medical devices.

### Q11 | I hear a motor noise coming from PowerArQ3 while using the AC output. Is it a malfunction?

**A** No, it is not a malfunction. This is the sound of the fan running to exhaust the heat inside the product, and PowerArQ3 is operating normally.

### Q12 | How long is working time?

**A** It can be calculated by the following formula:  
"Working Power 555Wh × Conversion Efficiency 85% ÷ Device Consumes ? W"  
e.g., Device Consumes: 50W Working Time=555×0.85÷50=9.4h →It can be used for about 9.4 hours.  
It depends on the electronic device used. Refer to the figure below.

電子機器	使用目安
LED Light(5W)	About 94 hours
Phone(15W)	About 31 times fully charge
Electric Fan(30W)	About 15 hours
Electric Blanket - L(33W)	About 14 hours
Electric Blanket - H(50W)	About 9.4 hours
Heated Carpet(200W)	About 2.3 hours

- This is a theoretical value for your reference.
- The actual working time may change depends on the power consumption, or the deterioration of the battery.
- It may not operate even if the output of Device Consumes is 500W or less.
- PowerArQ 3 will turn off when overloaded.
- Some home appliances, like electronic drums, require a larger peak power even if the indicated wattage is 500W or less. The protection function works and electronic drums may not work properly.

# 6

## SmartTap PowerArQ 3 Error code

Please check the error message before contact us if you see the error is displayed on screen.

Error Code	Cause	Protection Condition	Recovery Condition
E01	Over temperature protection	Heat sink temp $\geq$ 85°C	Auto recover when the temps $\leq$ 70°C
E02	Low temperature protection	Heat sink temp $\leq$ -20°C	Auto recover when the temp $\geq$ -10°C
E03	Hot plug connector over temp	Connector temp $\geq$ 80°C	Auto recover when the temps $\leq$ 60°C
E04	Battery over tem	Battery pack temp $\geq$ 60°C	Auto recover when the temps $\leq$ 55°C
E05	Battery low temp	Battery pack temp $\leq$ -20°C	Auto recover when the temp $\geq$ -10°C
E06	Battery charge over temp	Battery pack temp $\geq$ 48°C	Auto recover when the temps $\leq$ 45°C
E07	Battery charge low temp	Battery pack temp $\leq$ 0°C	Auto recover when the temp $\geq$ 12°C
E08	Total over voltage	Battery voltage $\geq$ 25.8V (Continue charging when the battery is full)	Auto recover when discharge the voltage $\leq$ 25.2V
E09	Total low voltage	Battery voltage $\leq$ 19.2V (Continue discharging when the battery is empty)	Auto recover when charging the voltage $\geq$ 21V
E18	DC input over voltage	Input voltage $\geq$ 45V	Auto recover when input voltage $\leq$ 40V
E21	DC input over current	Input current $\geq$ 16A	Remove DC loads
E22	DC car output over current	Output current $\geq$ 11A	Remove DC loads
E23	DC car output abnormal	Output voltage $\geq$ 16V, $\leq$ 11V	Remove DC loads
E26	DC car output overload	Load power $\geq$ 140W	Protect when last 2S Auto recover when remove DC loads and rest 10S
E34	System overload, DC output stop	System total load power $\geq$ 560W, 3S last	Remove DC loads
E36	Inverter AC output overload	505W $\leq$ load power $<$ 800W 60S last 800W $\leq$ load power $<$ 1000W 0.5S last 1000W $\leq$ load power	Remove AC loads
E37	Inverter AC output over current	Inverter overload or short-circuit	Remove AC loads
E38	System overload AC output stop	System total load power more than 560W	Remove AC loads
E39	Over Temperature Protection	Heat sink temp $\geq$ 90°C	Auto recover when the temps $\leq$ 70°C
E40	Low temperature protection	Heat sink temp $\leq$ -20°C	Auto recover when the temp $\geq$ -10°C

※Regarding as E34, E38, the output connected afterwards will stop.  
 ※Above-mentioned actual temperature is  $\pm$ 3°C  
 ※Above-mentioned actual current is  $\pm$ 1A  
 ※Regarding as E08, E09, actual voltage is  $\pm$ 0.1V  
 ※Regarding as E18, actual voltage is  $\pm$ 2V

### ●If you are unable to charging your devices.

- Please check the AC/DC power button is ON.
- Please recharge PowerArQ3 first when the remaining battery is less than 20%.
- Please do not connect the devices that power is more than 500W.
- If multiple devices are used, the system may not operate properly even if the power consumption is less than 500W.
- Please remove the all devices and recheck again after 20 mins.
- We cannot promise that it can work for all devices.

# 7

## SmartTap PowerArQ 3 Storage Method/Daily Care

### ● Storage Method

- 1: Maintain the battery at 80% capacity, do not fully charge the battery for prevents battery degradation.
- 2: Wipe off the dirt and clean with a damp cloth.
- 3: Turn off all switches and remove the dedicated AC adapter for storage.
- 4: Never place the battery within reach of children. And Store in a dry and dust-free place.
- 5: Avoid direct sunlight and store at an appropriate ambient temperature within -10 °C to 45 °C.

### ●Daily Care

- Do not use volatile solvents, such as gasoline, thinner, kerosene, petroleum, zippo oil, or de-lighting fluid.
- Fully discharged state will damage the battery.
- Check the remaining battery and operation once every three months.

### ●Lithium-ion battery life

- PowerArQ 3 will turn off when overloaded. Please do not connect any electronic devices with more than 500W.
- Battery may deteriorate, if it is stored at temperatures without -10 to 45 °C.
- Maintain the battery at 20-80% capacity when storing the battery for a long time, do not fully charge the battery.
- If the battery is repeatedly charged and discharged 500 times, its capacity will degrade to about 85% of a new one.
- This is a theoretical value, actual value is depending on actual usage and environment. e.g., If use a high power output such as 500W frequently, or store it in a high temperature environment, this may accelerate deterioration.
- Power off the powerArQ3 when it is not in use.
- Unnecessary power consumption will shorten the battery life and decrease the working time.
- The battery need to be charged and discharged several times to reach full capacity after prolonged storage.

### ●Disposal and recycling



#### Lithium-ion Battery

- The lithium-ion battery can be recycled when the battery life is over.
- Please make sure the battery is empty before recycling.
- The battery cannot be disposed of with household waste.
- It' s hazardous substances belongs to specific transport and handling regulations.



#### Electronic Device

Electronics cannot be disposed of with household waste.  
 Please follow the instructions of the local government in your area and dispose it in the prescribed manner.



- Lithium-ion batteries may catch fire if mishandled.
- If you have any problems, please contact US.

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## SmartTap PowerArQ 3 Performance details

Battery Performance	
Charge Capacity	25,000mAh
Energy Capacity	555Wh
Rated Voltage	22,2V
Battery Type	Lithium-ion
Battery Model	18650
Battery Capacity	150,000mAh(3.7V / 2,500mAh x 60)

DC Input	
Charging Profile	CCCV/MPPT
Input - V/A	12~40VDC/MAX10A
Input Diameter	7.9mm
Input - W	200W

USB Type-C Input	
Input-V	5/9/12/15/20VDC
Input-A/W	3A/MAX60W

AC Adapter	
Model	T200-252A800-00
Input - V/A	100~240V/MAX2.5A
Input - Frequency	50/60Hz
Output - V/A	25.2V/8A
Full Charge	3~4 Hours

Overload	
505Wload power<800W	60S
800Wload power<1000W	0.5S

Accessories	
AC Adapter(200W) -1.1m	
Car Charging Cable (1.5m)	
MC4 Cable (1.5m)	
Instruction manual	

Other Information	
Product Name	PowerArQ 3
Model	PA50
Weight	7.9kg
Storage Temperature	-10~45°C
Charge Temperature	0~40°C
Usable Temperature	-10~45°C
Usable Humidity	10~90%
Dustproof/Waterproof	IP33 (rubber covers closed)
Warranty	24 months

Output	
AC Port	2 pcs
DC Car Output Port	1 pc
Quick Charge™ 3.0 Port	2 pcs
USB Type-A Port	2 pcs
USB Type-C Port	1 pc
Wireless Charging Plate	1 pc

AC Output	
Output - V/A	100-120VAC / 5A
Output - Frequency	50/60Hz
Output - Rated	500W
Output - Peak	1000W

Qualcomm® Quick Charge™ 3.0	
Output - V/A/W	5VDC/3A, 9VDC/2A 12VDC/1.5A (Total 36W)

USB Type-A Output	
Output - V/A/W	5VDC/3A (Total *2pcs)

USB Type-C Output	
V/A/W	5V/3A, 9V/3A, 12V/3A 15V/3A, 20V/3A (Total 60W)

Wireless Charging Output	
Output - W	5W/7.5W/10W/15W

DC Car Charging Output	
Output - V/A/W	12VDC / 10A, 120W (11~14VDC Available)

### •Regarding As Ventilation Fan

- The built-in fan will work under the following conditions.

- Fan work start :  
AC output power > 200W  
DC output Power > 100W  
Heat sink Temp > 60°C
- Fan work stop :  
AC output power < 150W  
DC output Power < 90W  
Heat sink Temp < 50°C

※ The accuracy of the LCD display is approximately ±30W.  
It may not be displayed if it is less than 20W.

※ A heat sink is a passive heat exchanger that transfers the heat generated.

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## SmartTap PowerArQ 3 Product Warranty

There is no warranty card for the battery. We provide support by your order number from an authorized distributor. Please keep your order number in a safe place. You can find your order number from your post-order email, order, or purchase history.

### •How to contact us

Please prepare your order number first that we can respond smoothly.

### SmartTap Owner's Desk

support-usa@powerarq.com

- STEP 01** Please prepare your receipt, or order number first.
- STEP 02** Please contact us by email. Please tell us as much as possible about your usage and the failure status.
- STEP 03** We will guide you how to deal with the problem depending on the state of failure.

※If you don't have your receipt, please ask the store to reissue.

Product Name : PA50-BTRY

Usage and the Failure status. (more details)  
e.g., It doesn't respond when I press any of the buttons, Unresponsive when I try to charge it.

Purchase Date  
Store  
Order Number

「 Receipt Position 」

### •Warranty Terms

- 1: Receipt of purchase and order number are required.
- 2: The warranty period for this product is one year from the date of purchased.
- 3: During the warranty period, we will provide repair or replacement support.
- 4: The warranty does not apply
- 5: Battery purchased from non-authorized sources, are not covered by the warranty and may not be repaired for a fee. Please contact your distributor.**