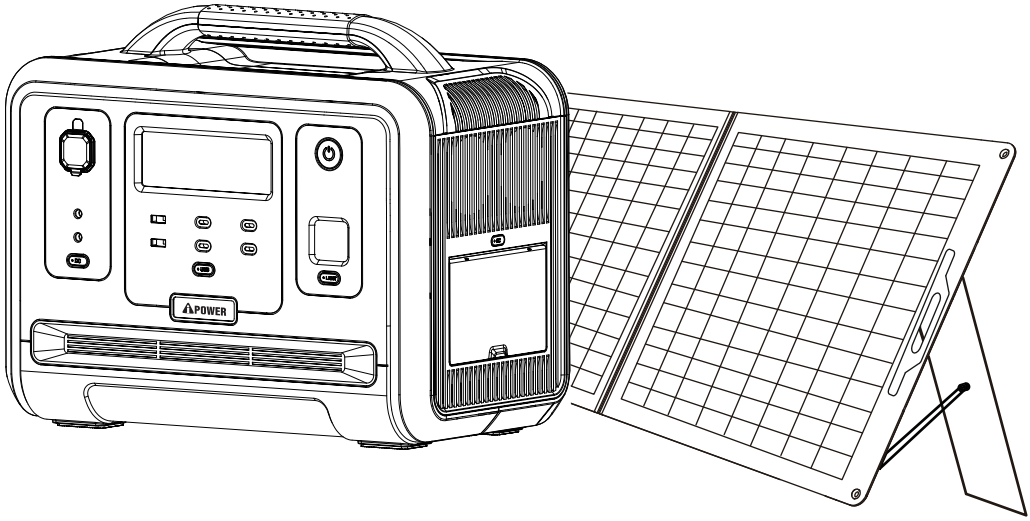
iPOWER™

GS2400iA201 POWERSOURCE SOLAR BUNDLE

Owner's Manual



STOP DO NOT RETURN TO STORE!

CALL US FIRST 855-888-3598 FOR SUPPORT

Model: GS2400iA201

Serial: _____

Date Purchased: _____

Model#: GS2400iA201
Rev:00

KEEP THIS MANUAL FOR FUTURE REFERENCE

INTRODUCTION

Read This Manual Thoroughly

⚠ WARNING

Read and understand manual completely before using product. Failure to completely understand manual and product couldresult in serious injury.

If any section of this manual is not understood, contact customer Service at 855-888-3598, or www.a-ipower.com for starting, operating and servicing procedures. The owner is responsible for proper maintenance and safe use of the unit.

SAVE THESE INSTRUCTIONS for future reference. This manual contains important instructions that must be followed during placement, operation and maintenance of the unit and its components. Always supply this manual to any individual that will use this unit.

The information in this manual is accurate based on products produced at the time of publication. The manufacturer reserves the right to make technical updates, corrections and product revisions at any time without notice.

⚠ WARNING

Lithium-ion batteries and products that contain lithium-ion batteries can expose you to chemicals including cobalt lithium nickel oxide, and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Wamings.ca.gov.

SAFETY

The words DANGER, WARNING, CAUTION, and NOTICE are used throughout this manual to highlight important information. Make sure that the meanings of this safety information is known to all who operate, perform maintenance on, or are near the portable power station.

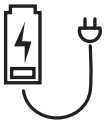
This safety alert symbol appears with most safety statements. It means attention,become alert, your safety is involved! Please read and abide by the message that follows the safety alerts symbol.

The manufacturer cannot possibly anticipate every possible circumstance that might involve a hazard. The warnings in this manual and the tags and decals affixed to the unit are therefore not all-inclusive. If you use a procedure, work method or operating technique that the manufacturer does not specifically recommend you must satisfy yourself that it is safe for you and others. You must also make sure that the procedure work method or operating technique that you choose does not render the portable power station unsafe.

DEFINITIONS AND SYMBOLS

⚠ DANGER	⚠ WARNING	⚠ CAUTION	⚠ NOTICE
Indicates a hazard which, if not avoided, will result in death or serious injury.	Indicates a hazard which, if not avoided, could result in death or serious injury.	Indicates a hazard which, if not avoided, could result in minor or moderate injury.	Indicates information considered important, but not hazard-related (e.g.,messages relating to property damage).

ATTENTION

	Not permitted on airplanes		Use original or certified charger & cables
	To preserve the battery lifespan, use & recharge at least once every 3 months		Avoid extreme temperature
	Dispose of batteries and electronic goods in accordance with local regulations		Do not expose to liquids
	Aviod dropping		Do not disassemble violation space may cause electric shock or product damage
	Please use PPS between 20%-90% battery volume to achieve longer service life and better performance.		Please keep away from heat source, fire, inflammable gas or the liquid, and please do not expose to the blazing sun for long time

DISCLAIMERS

Our company cannot be held liable for damages caused by fire, earthquake, use by a third party, other accidents, intentional misconduct on the part of the customer, abuse or other abnormal conditions. Do not repair any damage to the Ac plug or power supply on your own. The warranty covers all terms and conditions of the warranty. Contents that are not specified in the warranty terms and conditions are beyond our responsibility Our company assumes no liability for damage scaused by incorrect use ornon-compliance with this instruction manual.

NTENDED USE

The GS2400i Portable Power Station is a power supply for electronic devices with a maximum power consumption of 1200W. Our product is not suited for use with equipment that relates to one's own personal safety and relies heavily on electricity, such as medical devices, equipment for nuclear facilities, manufacture of air and spacecraft, etc. We assume no liability for accidents involving personal safety, fires, or machine failures caused by using our product with the aforementioned devices.

GENERAL SAFETY PRECAUTIONS

⚠ DANGER

-DO NOT charge, use or store the unit in a bathroom or in an area exposed to rain or moisture.

-DO NOT disassemble, repair or modify the unit or the battery.

-DO NOT place the unit close to or in a fire or expose it to heat. Keep out of direct sunlight. Only use the output socket to power external devices. Never connect the output to mains power under any circumstances.

-DO NOT touch the unit or the plug-in points if your hands are wet.

-DO NOT use any inappropriate or damaged power cords.

-DO NOT operate the unit above the specified input voltage.

-DO NOT use the unit if it is not functioning correctly.

-DO NOT move the unit if it is recharging or in use.

-DO NOT connect any metalic objects to the AC input or output.

-DO NOT rub your eyes if fluid from inside the unit gets on your hands

-DO NOT dispose the unit together with household waste.

⚠ WARNING

-Use and store the unit only in a clean and dry environment. DO NOT use and store in dusty or wet environment.

-Check the unit prior to every use. DO NOT use the unit if it is damaged or broken.

-DO NOT use the unit if the power cord is damaged or broken.

-DO NOT use or store the unit in an area or environment with high temperature.

-DO NOT charge the unit via power supply systems that operate outside of 100-120V.

-DO NOT place the unit on its side or upside down while in use or storage.

-Keep the unit away from children. DO NOT let children use the power supply unit.

-Keep this product away from pets.

-Should fluid from inside of the unit come in contact with your skin or clothing, wash the affected areas with tap water

-In a storm, unplug the power cord from the socket.

⚠ CAUTION

-Make sure that the device you are connecting is switched off before you connect it.

-Only charge, use and store the unit within ambient temperature of 0 to 40°C(32°F-104°F)

-Make sure that the unit is properly secured when transporting it in a motor vehicle.

-If rust, peculiar odors, overheating or other abnormal circumstances are observed, stop using the unit immediately and contact our customer service team.

-Carefully read the instructions for the electric devices that you intend to connect to your portable power station.

-Turn the unit off immediately if it has accidentally fallen, was dropped or was exposed to vibrations.

⚠WARNING

This product can expose you to chemicals which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

⚠ATTENTION

Ce produit peut vous exposer à des produits chimiques reconnus par l'état de la Californie comme pouvant causer le cancer. Pour plus d'informations, visitez www.P65Warnings.ca.gov

⚠ADVERTENCIA

Este producto puede exponerle a sustancias químicas que el Estado de California reconoce como cancerígenas. Para obtener más información, diríjase a www.P65Warnings.ca.gov

MAIN SPECIFICATIONS	
Model Number	GS2400i
Capacity	960Wh (20Ah,48V)
Peak Output(AC)	2400W
Rated Output(AC)	1200W
Rated Output(DC)	376W
Rated Output(AC+DC)	1576W
Battery Cell	20Ah, 3.2V
Battery Cell Chemistry	LiFePO4
Total mAh	300,000mAh
AC Output Voltage	120V
AC Output Frequency	60Hz
Sine Wave Type	Pure Sine Wave
Life Cycle	4000+ Cycles at 80% Capacity
Wall Charging Time at 700W Input	0% To 80% Within 1.2hrs 0% To 100% Within 1.5hrs
Charging Temperature	0°C to 40°C (32°F to 104°F)
Discharging Temperature	-10°C to 40°C (14°F to 104°F)
Certifications	FCC-MSDS-BC-UN38.3
BMS Protections	• High Temperature • Low Temperature • Over Load Protection • Over Voltage • Under Voltage • Overcharge • Overcurrent • Short Circuit
Warranty	2 Years (Residential)
Net Weight	37.5lbs

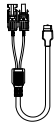
* PURE SINE WAVE

The output voltage of a sine-wave inverter has a sine wave -form like the sine wave-form of the mains/utility voltage. In a sine wave, the voltage rises and falls smoothly with a smoothly changing phase angle and also changes its polarity instantly when it crosses 0 Volts. The unit provides Pure Sine Wave output and can be compatible with AC electrical appliance that works with Sinusoidal waveform. Appliances that use an AC motor are going to work to full capacity on a pure sine wave, such as an electrical fan. Appliances like refrigerators, microwaves, and compressors that use AC motors and some delicate equipment will be better use with our pure sine wave inverter.

WHAT'S INSIDE THE BOX

Portable Power Station

AC Wall Charger Cable
IEC 60320 C13
Female Socket to 5-15P



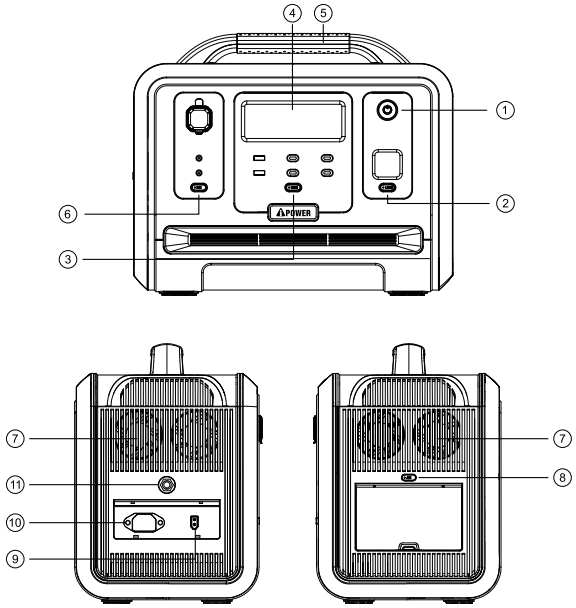
Solar Charging Cable XT60
Female Socket to MC4

Car Charging Cable XT60
Female Socket to Cigarette
Lighter Male Plug

User Manual

Accessories Bag

GET TO KNOW YOUR GS2400i



① Main Power ON/OFF Button
② LED Light ON/OFF Button
③ USB Power ON/OFF Button
④ LCD Display (Data Center)
⑤ Handle
⑥ 12V DC Power ON/OFF Button
⑦ Cooling Fans
⑧ AC Power ON/OFF Button
⑨ XT60 Input
(for solar panel and car charging)
⑩ AC input (wall charging)
⑪ Overload Protection Circuit Breaker

① Main Power ON/OFF Button (with LED Indicator Light)

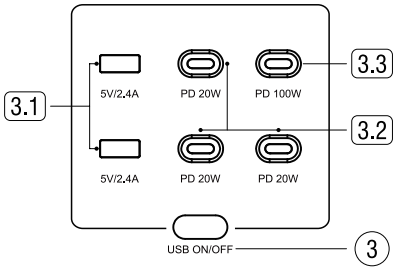
Instructions: Press and hold the power button for 3S to turn on the system. Turn on the LCD display, and press and hold again for 3s to turn off.

② LED Light ON/OFF Button (with LED Indicator Light)

-Press the button once to turn light ON
-Press the button again to enter to the SOS mode
-Press the button third time to enter to the blinking mode
At any mode, long press will turn light OFF

③ USB Power ON/OFF Button (with LED Indicator Light)

Instructions: Short press the USB button to turn on the USB DC output port, and short press it again to turn it off.



3.1 USB-A (x2) 5V/2.4A, 24W Max

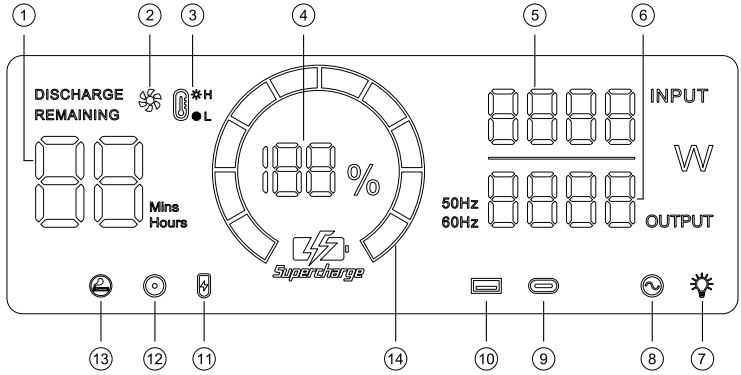
3.2 USB-C 20W (x3), 5V/3A, 9V/2.22A, 12V/1.67A, 60W Max

3.3 USB-C 100W, 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A, 100W Max

NOTE: Max output from this section is 184W

④ LCD Display (Data Center)

Display the product's battery level and usage status tips.



1.Remain Using/Recharging Time
2.Fan Status
3.High/Low Temperature Protection
4.Battery Level Percentage
5.Charging (Input) Power in Total
6.Output Power in Total
7.LED Light
8.AC Output
9.USB-C Output
10.USB-A Output
11.XT60 Input
12.DC5521 (12V) Output
13.Cigarette lighter (12V) Output
14.Battery Level Progress Bar

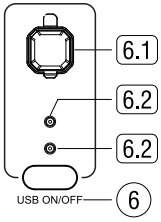
Power display: When the product is in the charging state, the battery level progress bar rotates continuously in the form of a clockwise marquee, and the battery level percentage gradually increases; when the product battery level is 0, the battery level percentage icon flashes.
Input and output status: When the product is working, the total input power, total output power and the cursor corresponding to the working area will be displayed on the screen.
Alarm prompt: See the following troubleshooting table for details.

Phenomenon	Cause	Processing method
The above output icons flashes and beeps.	The output exceeds the standard and it's short-circuited.	Remove the load, and then short press the switch (button) in the area corresponding to the icon to remove the alarm.
The temperature warning icon flashes and beeps.	The temperature of the Product is too high or too low.	Take the product out of the charging state remove all loads, turn the power off, wait for the device to reach a suitable working temperature, then the alarm is removed.
The icon of connecting to the AC main flashes and the product cannot be charged.	The charging cable is poorly connected.	The overload protection function is enabled.

⑤ Handle

⑥ 12V DC Power ON/OFF Button (with LED Indicator Light)

Instructions: Short press the DC button to turn on the DC output port, and short press it again to turn it off.



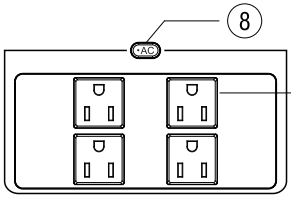
6.1 Cigarette lighter output 12V/10A, 120W Max
6.2 DC5521 (x2) output 12V/3A, 72W Max
NOTE: Max output from this section is 192W

⑦ Cooling Fan (Suction/Exhaust Ports)

When the product reaches the temperature threshold set by the system, the cooling fan will automatically run, accompanied by a certain fan noise (fan noise below 60dB is normal). Do not block the cooling suction/exhaust port during use of this product, and do not place any object within the range of 12 inch.

⑧ AC Power ON/OFF Button (with LED Indicator Light)

Press the AC button to enable the AC output function.



8.1 5-15R (x4) output 120V/10A, 1200 Max
NOTE: Max output from this section is 1200W

⑨ XT60 Input (Solar Panel and Car Charging)

This interface supports solar panel input or car charging input.
The input of the solar panel can be up to 500W and the maximum voltage is 50V.
It would be outside the scope of warranty, if the equipment is damaged by exceeding the maximum voltage.

⑩ AC Input (IEC 60320 C14 Male Plug)

700W fast charging with a household socket can perform a 100% charge within 1.5 hours.

※ The charging of this product can directly use the socket on the wall, etc. Please do not use extension cords and cable taps to connect several devices at the same time.
※ Using a cable tap to charge several devices at the same time will cause a large current to flow, causing cable breakage and fire risk.
※ Do not use the same socket to connect other devices while charging this product. In general, when the AC input exceeds 20A, the safety circuit breaker will trip.

⑪ Overload Protection Circuit Breaker

When the power supply current is unstable due to lightning or other reasons,and there is a large current input at the AC Input, in order to protect the product, the overload protection function (safety circuit breaker) will activate and cut off the AC input port.
Please follow the sequence below to restore the AC input function:
1) Turn off the main power ON/OFF button and unplug all electrical loads.
2) After confirming that there is no abnormality in each part, turn on the main power ON/OFF button.
3) Press the overload protection button, connect the electrical loads.

USING YOUR PORTABLE POWER STATION (PPS)

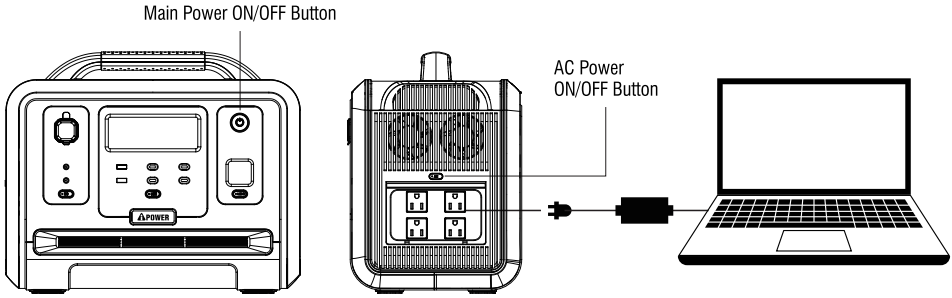
Press and hold the main power ON/OFF button for 3S to turn on the unit. The button will illuminate when it is ON. The LCD display (Data Center) lights up and displays necessary information. The unit is now in standby mode and ready to use. Double click the main power button to deactivate the LCD display to save energy (Energy Saving Mode). Press and hold the main power ON/OFF button for 3S to turn off the unit.

USING AC OUTPUT (120V)

Before use, plug your PPS into the wall until it is fully charged.
1. Make sure the appliance you are plugging in is turned off.
2. Connect the power cable plug of the electrical appliance to the AC outlet (s) of the PPS.
3. Press and hold the main power ON/OFF button for 3S to turn on the PPS. The button will illuminate when it is ON.
4. Press AC power ON/OFF button. The button will illuminate when it is ON. The LCD display indicates AC output icon (~).
5. Turn AC appliance ON. The LCD Display will display real-time wattage of the appliances.
6- When finished:
-Turn off AC appliance
-Press AC power ON/OFF button to turn the AC outlets off (If you leave the AC Power button ON it will drain the battery)
-Press and hold the main power ON/OFF button for 3S to turn off the PPS and remove power cable.

NOTICE: If the total output exceeds 1200W, the power station will automatically shut off. Please ensure the power consumption is less than 1200W, then press the AC power ON/Off button.

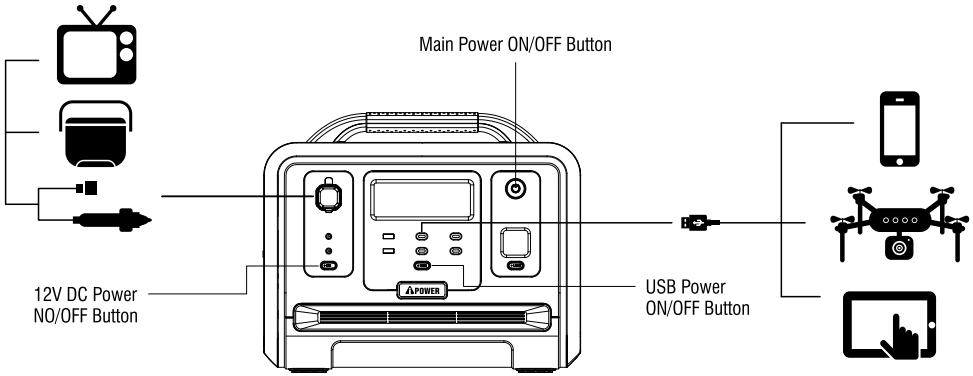
WARNING: The AC outlets, AC voltage, and frequency are different according to different countries, please carefully check whether the product specifications are consistent with the appliance specifications before use, otherwise, it can lead to dangerous situations.



USING USBS AND 12V DC OUTPUTS

Before use, plug your PPS into the wall until it is fully charged.
1. Make sure the electric device that you are plugging in is turned off.
2.Connect the power cable plug of the DC electrical device to the DC outlets or USBs of the PPS including:
USB-A (Qty:2)
USB-C PD-20W (Qty:3)
USB-C PD-100W (Qty:1)
DC5521 outlet (Qty:2)
Cigarette lighter (automotive) outlet (Qty:1)
3. Press and hold the main power ON/OFF button for 3S to turn on the PPS. The button will illuminate when it is ON.
4.Press USB power ON/OFF button for DC outlets or DC power ON/OFF button for USBs. The buttons will illuminate when they are ON. The LCD display indicates USB icon or DC icon . The LCD Display will display real-time wattage of DC electric devices.
When finished:
-Turn off DC electric device
-Press DC power ON/OFF button and USB power ON/OFF button to turn off the DC outlets and USBs (If you leave the buttons ON it will drain the battery)
-Press and hold the main power ON/OFF button for 3S to turn off the PPS and remove power cable

NOTICE: If the total output exceeds the wattage output of the DC outlet, the power station will automatically shut off. Please ensure the power consumption is less what the outlet is rated for beforeusing the device.

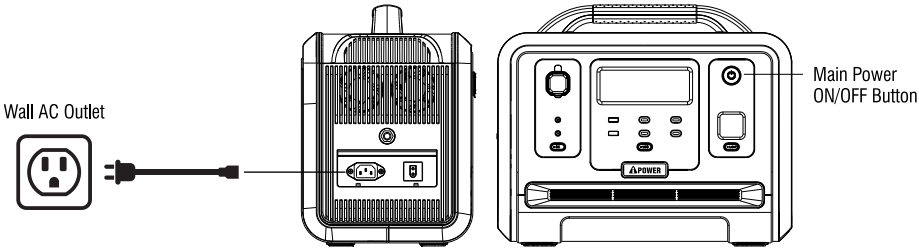


RECHARGING YOUR PORTABLE POWER STATION (PPS)

Your PPS can be recharged by:

1.AC Charging (using the included AC wall charging cable)

-Plug your PPS into the standard wall outlet to charge the unit.
-Press and hold the main power ON/OFF button for 3S to turn on the PPS. The button will illuminate when it is ON.
-Power display in LCD display (Data Center): When the product is in the charging state, the battery level progress bar rotates continuously in the form of clockwise marque, and the battery level percentage gradually increases; when the product battery level is 0, the battery level percentage icon flashes. When the product is working, the total input power, total output power and the cursor corresponding to the working area will be displayed on the screen.



2.Solar Panel Charging (using the included solar charging cable)

Under condition of sunlight, this product can be connected to the solar panel and can be charged thriugh the solar panels.

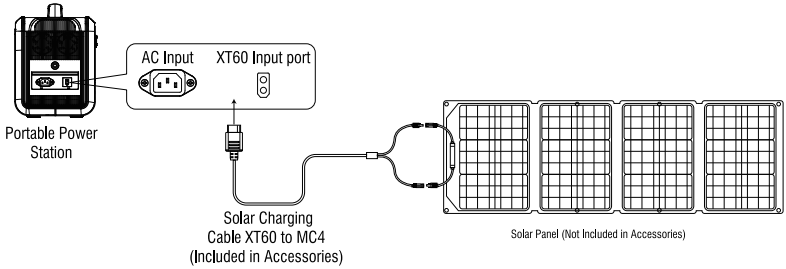
The input of the solar panel can be maximum 500W, maximum voltage 50V.

※ The charging power of the solar panel is determined according to the weather and other conditions.

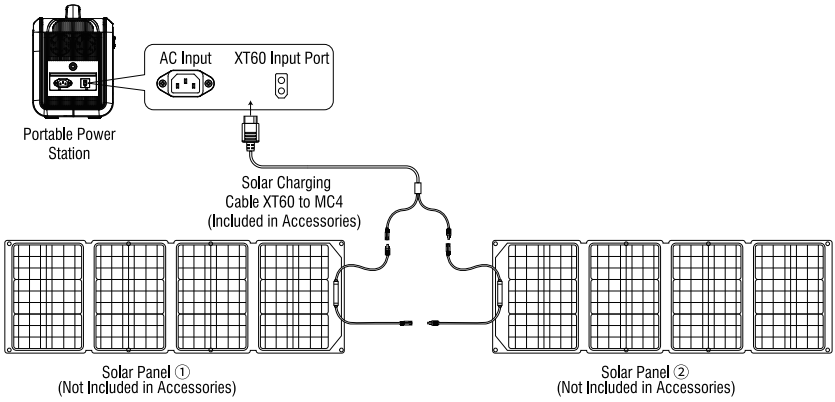
※ The solar panel voltage exceeding 50V will damage the equipment and may be out of warranty.

- **We recommend the follwing charging options:**

Option One: One Solar Panel



Option Two: Two Solar Panels (In Series)



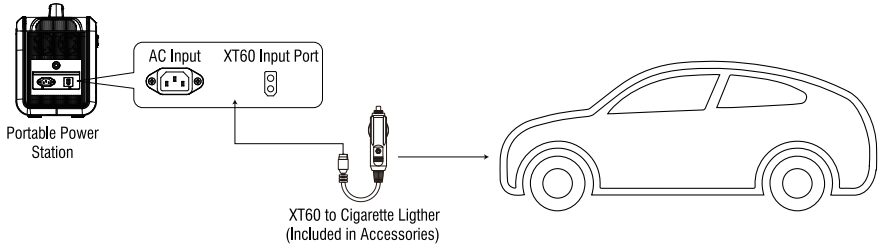
3.Car Charging (using the included solar charging cable)

This product uses car charging cable, which can be used for mobile charging by the cigarette lighter in the car.

Connect the car charging cable to the cigarette lighter in the car and the XT60 interface on the side of the product, turn on the engine of the car, and the LED display of this product will display the input power.

※ Please do it when the car started, otherwise the car battery may be exhausted.

※ Vehicle charging power is usually in the range of 90W-120W, and the charging time is long. If fast charging is required, the AC mains charging is recommended.



UPS MODE

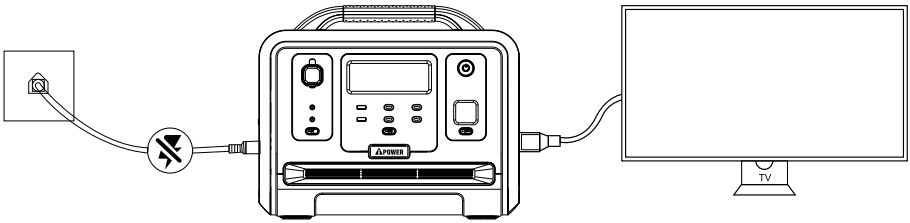
• UPS Feature

This product has a bypass mode, which can output directly from AC mains without going through the battery.
In the UPS state, when the AC input power of the commercial power is cut off due to a power failure, it can automatically switch to the product battery power supply within about 8 milliseconds to ensure the AC output.

• UPS Connection Diagram

As shown in the figure below, connect the product between the socket and the electrical appliance, and the power of the product is in the ON state.
When you turn on a powered device, the powered device uses the main ACpower directly. In this state, when the main power supply is cut off, it will automatically switchto the product's internal battery power supply.

※ In UPS mode of The U.S standard, the maximum power output of AC output is below 1200W, and the AC output exceeds 1200W, and the " " AC output icon flashes to indicating overload.



LIMITED WARRANTY

KEEP YOUR RECEIPT. Proof of purchase will be required to substantiate any warranty claim.
WHAT IS COVERED: A-iPower Corp. warants to the original retail purchaser that this product is free of defects in material and workmanship and agrees, at A-iPower Corp's direction, to either repair, provide replacement parts for, or replace (without charge for parts or labor) any product or component with a material defect for a period of 2 years from the date of purchase, subject to exclusions noted herein. Warranty service and replacement parts are Warranted only for the duration of the wananty on the original product. All replaced parts or products become a property of A-iPower Corp.
Thank you for choosing A-iPower products. To ensure proper registration of your product Warranty, please submit your Warranty registration along with proof of purchase within 10 days of the date of purchase, this can be done by:
a) Completing the Waranty Registration fom at the back of this manual and mailing to:
A-IPOWER CORP
10887 COMMERCE WAY UNIT A
FONTANA CA 92337 USA
b) Visit us at www.a-ipower.com and click the product registration icon

WARRANTY TERMS
A-iPower Corp. will provide 2 years limited waranty for any A-iPower portable power station products purchased through any authorized A-iPower dealer in North America that fails to operate during the applicable warranty period due to any defect in workmanship or material. If a valid claim is made during the applicable period, A-iPower Corp., at its option, will either (1) repair the product, or (2) exchange the product with a product that is of equal value. A replacement product assumes the remaining warranty of the original product or ninety (90) days from the date of replacement, whichever is greater. For questions regarding coverage, please contact Customer senvice Dept. 855-888-3598 or e-mail to support@a-ipower.com.
Please have necessary infomation available - Model Number, Serial Number and Proof of Purchase.

DO NOT RETURN THE PRODUCT TO THE PLACE OF PURCHASE
A-iPower's Customer Service Dept will assist with all product's related questions and will help troubleshoot issues, and send any replacement parts as necessary while product is within the warranty period at no charge. If the issue cannot be resolved, A-iPower Customer Service Dept, at its discreion, may authorize diagnosis and repair through one of its authorized Service Centers.
A-iPower Corp, at its discretion, may choose to provide replacement of part, component, or product. Service or replacement of parts at any unauthorized repair facility without prior authorization will not be covered by this warranty.

WARRANTY EXCLUSIONS
This waranty does not cover the following:

Regular wear and maintenance
- This warranty will not cover repair when normal use has exhausted the lifetime of a part(s) or the unit.
-Installation and Maintenance - this warranty does not cover improper or unauthorized assembly, alteration, modification or any other damage resulting from misuse or neglect.
-Cosmetic defects such as scratches to paint, decals, etc.
-Costs of normal maintenance and adjustments.
-Repairs or diagnostics performed by individuals other than an A-iPower's Authorized Service Dealer (unless approved by A-iPower)
-Failures due to normal wear and tear, accident, misuse, abuse, negligence or improper use.
-Failures caused by any external cause or act of God, including but not limited to, collision,theft, vandalism, riot, war, fire, freezing, lightning, earth-quake, windstorm, hail, water, flood, torna do, or hurricane.
-Damage related to rodent and/or insect infestation.
-Any incidental, consequential or indirect damages caused by defects in materials or workmanship, or any delay in repair or replacement of the defective part(s).
-Failure due to misapplication.
-Telephone, cellular phone, facsimile, internet access, or other communication expenses.
-Expenses related to “customer instruction” or troubleshooting where no manufacturing defect is found.
-Overnight freight or special shipping costs for replacement part(s).
-Overtime, holiday or emergency labor.

DO NOT RETURN THE PRODUCT TO THE PLACE OF PURCHASE

A-iPower Customer Service Dept will assist with all products related questions and will help troubleshoot issues and will send any replacement parts as necessary while product is within the wamanty period at no charge. If the issue cannot be resolved, then A-iPower Customer Service Dept at its discretion determine and authorize diagnosis and repair through one of its authorized Service Centers. A-iPower Corp at its discretion may choose to provide replace of part, component, or product. Service or replacement of parts at any unauthorized repair facility without prior authorization will not be covered by this warranty.

MERCHANDISE RETURN GUIDELINES

-All products must be returned in original or equivalent packaging, if determined by A-ipower customer service. Improperly packaged returns will not be accepted.
-Must have adequate packing for transportation.
-Return to address provided in return authorization, using the parcel service required. Units returned without authorization will not be honored.
-Please Note: Refunds will not be granted for items that have been modified or damaged by abuse or usage not in accordance with product instructions.

A-iPOWER WARRANTY REGISTRATION FORM

Register your product by emailing this form to support@a-ipower.com or register on-line at: www.a-ipower.com.

Registering your product is important , it provides the following protections:

1. You have record of product purchased
2. Customer Service can Better serve you for Warranty related issues
3. We can contact you in the unlikely event should notification is necessary

Customer Information:

Name: _____
Phone: _____
E-mail: _____
Address: _____
City, State: _____
Zip code: _____
Purchase Date: _____

Product Information:

Serial #

Model #

The serial No. can be found on the engine.
PLEASE NOTE: Your product cannot be registered without model & serial numbers.

1.THE PRODUCT WAS PURCHASED FOR: A.❑ Residential Applications

B. ❑ Other _____

2.THIS PRODUCT IS A: (select one)

A.❑ First time purchase B. ❑ Replacement

3.HOW DID YOU FIRST LEARN OF THIS PRODUCT: (select one)

A. ❑ Radio
B. ❑ Store Display
C. ❑ Contractor
D. ❑ Trade Show
G. ❑ Direct Mail
H. ❑ From Friend/Relative/Neighbor
I. ❑ Internet
J. ❑ Other _____

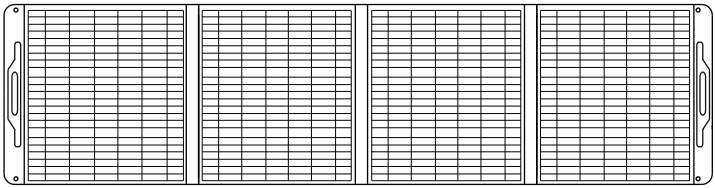
4. PLEASE RATE THE FOLLOWING:	Completly Satisfied 5	4	3	2	Not at all Satisfied 1
Product Value for Price Paid	❑	❑	❑	❑	❑
Performance	❑	❑	❑	❑	❑
Features	❑	❑	❑	❑	❑
Product Appearance	❑	❑	❑	❑	❑
Warranty	❑	❑	❑	❑	❑
Ease of Maintenance	❑	❑	❑	❑	❑

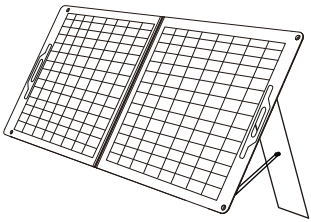
5.HOW LIKELY ARE YOU TO RECOMMEND A-iPOWER TO FAMILY OR FRIENDS?	Extremely Likely 5	4	3	2	Not Likely at all 1
	❑	❑	❑	❑	❑

Privacy Statement: A-ipower is committed to respecting your privacy and to complying with the regulations regarding the protection of personal data. The survey data we collect is for the purposes of marketing or product support and demographic information about the entire audience registering their products.

iPOWER™

SOLAR PANEL 200W
Owner's Manual





STOP **DO NOT RETURN TO STORE!**

CALL US FIRST 1-855-888-3598 FOR SUPPORT

Model:_____

Serial:_____

Date Purchased:_____

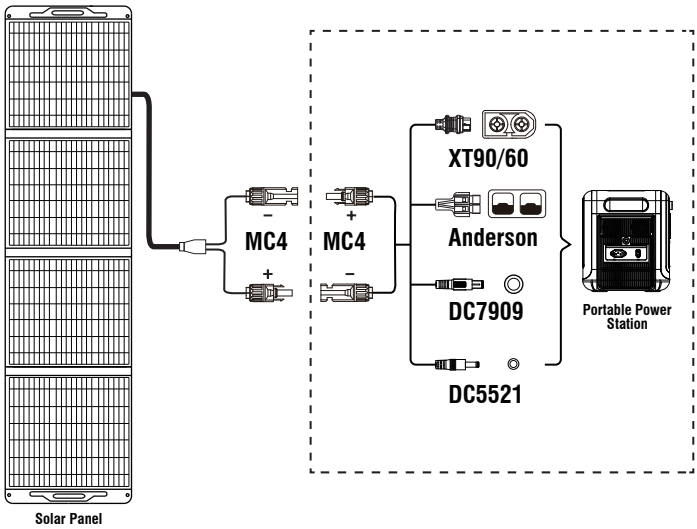
P/N: 00070-MA90-00

Model# ASP201

Rev:00

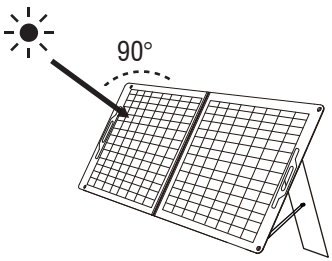
KEEP THIS MANUAL FOR FUTURE REFERENCE

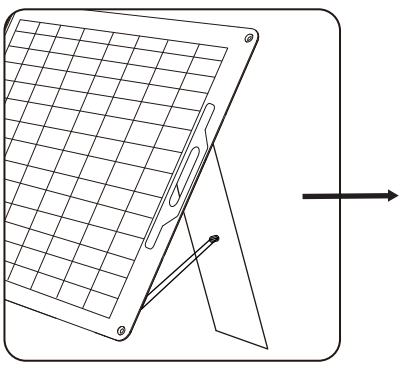
HOW TO CHARGE



ADJUST ANGLE

☼ **To harvest solar energy most efficiently, try to ensure that the sun's rays hit the panel at a 90°angle and that the panel is not shaded.**



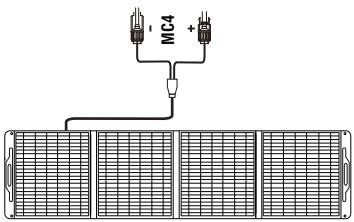


☼ **Adjust the Angle of the solar panel.**

TECHNICAL DETAILS

Model:	ASP201
Peak Power (Pmax):	200W
Cell Type:	Monocrystalline silicon
Solar Cell Lamination:	ETFE
Cell Efficiency:	Up to 23.5%
Voltage at Max Power (Vmp):	20V
Current at Max Power (Imp):	10A
Operating Temperature:	-10℃～65℃
Best Working Temperature:	25℃
Folding Number:	3
Dimension(unfolded):	590*2121mm/23.2*83.5 inch
Dimension(folded):	590*559mm/23.2*22 inch
Weight:	8.7kg/19.2 lbs

WHAT'S INSIDE THE BOX



Solar Panel with Charging Cable

User Manual

SAFETY TIPS

- Do not bend the solar panel.
- Do not soak the solar panel into water or any other liquid.
- Do not use or store this solar panel near fire or heater.
- Do not scratch the solar panel with sharp objects.
- Do not disassemble the solar panel by yourself.
- Do not put corrosive substance on this solar panel.
- Ensure shade from trees, buildings, and any other obstructions do not block sunlight while using the panel.

- Do not use this product as a children's toy.
- Please note that the solar panel may be damaged by falling or impact.
- During recharging, keep your portable power station away from heat and direct sunlight to extend its life span.

FAQ (FREQUENTLY ASKED QUESTIONS)
Q: THE COMPATIBILITY OF THE SOLAR PANEL.

☼ **Tips: To confirm the solar panel's compatibility with 3rd-party devices, please consult the seller.**

Q: WHAT FACTORS MAY AFFECT THE SOLAR CONVERSION RATE?

1. The weather condition.
2. Working environment temperature.
3. The angle from the panels to sunlight.

Q: HOW TO DECIDE THE NUMBER OF PANELS REQUIRED TO RECHARGE?

1. The output power of solar panels should fit the recommended voltage.
2. The max open circuit voltage is not able to exceed in the max input voltage of power station.
3. The gross output current of solar panels should be between the recomended working voltage.

☼ **When using multiple solar panels in series or parallel, please make sure that the accumulated maximum voltage and current of the solar panels does not exceed in the maximum voltage and current of the power station.**

LIMITED WARRANTY

KEEP YOUR RECEIPT. Proof of purchase will be required to substantiate any warranty claim.

WHATIS COVERED: A-iPower Corp. warrants to the original retail purchaser that this product is free of defects in material and workmanship and agrees, at A-iPower's direction, to either repair, provide replacement parts for, or replace (without charge for parts or labor) any product or component with a material defect for a period of 2 years from the date of purchase, subject to exclusions noted herein. Warranty service and replacement parts are warranted only for the duration of the warranty on the original product. All replaced parts or products become a property of A-iPower Corp.

Thank you for choosing our products. To ensure proper registration of your product warranty, please submit your warranty registration along with proof of purchase within 10 days of the date of purchase, this can be done by:

a) Completing the Warranty Registration form at the back of this manual and mailing to:

A-IPOWER CORP

10887 COMMERCE WAY UNIT A FONTANA CA 92337 USA

b) Visit us at www.a-ipower.com and click the product registration icon.

WARRANTY TERMS

A-iPower Corp. will provide 2 years limited warranty for any A-iPower solar panel product' s purchased through any authorized A-iPower dealer in North America that fails to operate during the applicable warranty period due to any defect in workmanship or material. If a valid claim is made during the applicable period, A-iPower Corp., at its option, will either (1) repair the product, or (2) exchange the product with a product that is of equal value. A replacement product assumes the remaining warranty of the original product or ninety (90) days from the date of replacement, whichever is greater.

For questions regarding coverage, please contact:

Customer Service Dept. 855-888-3598 or e-mail to

support@a-ipower.com.

Please have necessary information available - Model Number, Serial Number and Proof of Purchase.

DO NOT RETURN THE PRODUCT TO THE PLACE OF PURCHASE

A-iPower' s Customer Service Dept will assist with all product's related questions and will help troubleshoot issues and send any replacement parts as necessary while product is within the warranty period at no charge. If the issue cannot be resolved, A-iPower Customer Service Dept, at its discretion, may authorize diagnosis and repair through one of its authorized Service Centers.

A-iPower Corp, at its discretion, may choose to provide replacement of part, component, or product, Service, or replacement of parts at any unauthorized repair facility without prior authorization will not be covered by this warranty.

WARRANTY EXCLUSIONS

This warranty does not cover the followings:

-This warranty will not cover repair when normal use has exhausted the lifetime of a part(s) or the unit.

-Installation and Maintenance - this warranty does not cover improper or unauthorized assembly, alteration, modification, or any other damage resulting from misuse or neglect.

-Cosmetic defects such as scratches to paint, decals, etc.

-Costs of normal maintenance and adjustments.

-Repairs or diagnostics performed by individuals other than an A-iPower's Authorized Service Dealer (unless approved by A-iPower)

-Failures due to normal wear and tear, accident, misuse, abuse, negligence, or improper use.

-Failures caused by any external cause or act of God, including but not limited to, collision, theft, vandalism, riot, war, fire, freezing, lightning, earth-quake, windstorm, hail, water, flood, tornado, or hurricane.

-Damage related to rodent and/or insect infestation.

-Any incidental, consequential or indirect damages caused by defects in materials or workmanship, or any delay in repair or replacement of the defective part(s).

-Failure due to misapplication.

-Telephone, cellular phone, facsimile, internet access, or other communication expenses.
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