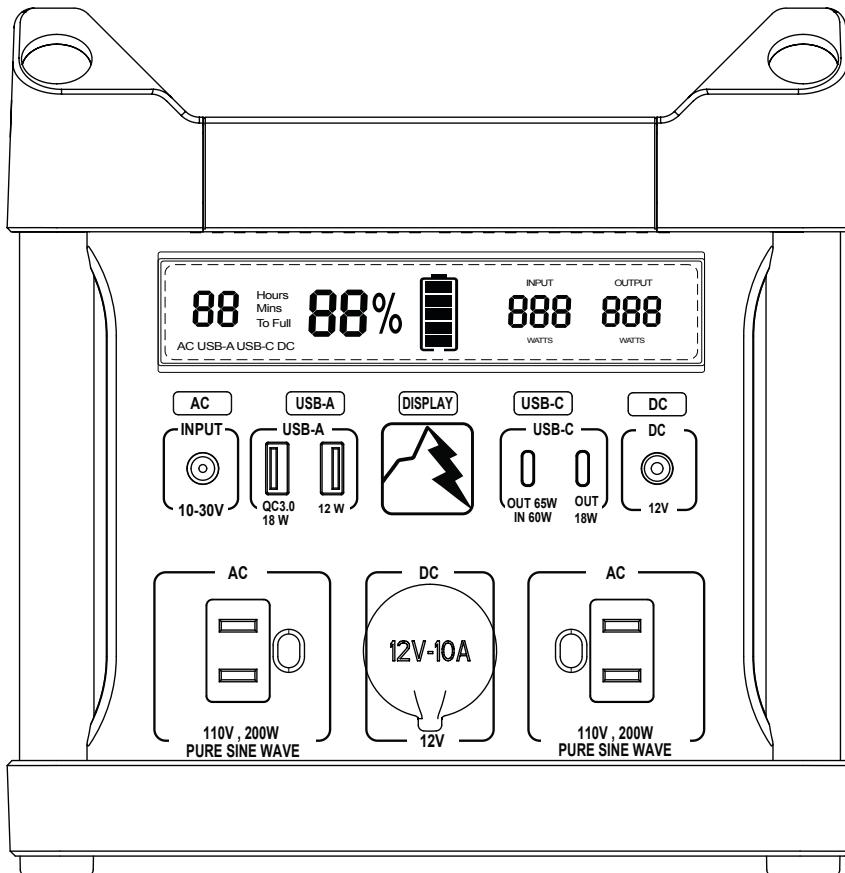




POWER RIDGE®

X-300 Portable Power Station

USER GUIDE



SAFETY INSTRUCTIONS



DANGER

Failure to comply may lead to serious injury or death.

- NEVER attempt to disassemble, modify or repair the unit or the battery.
- NEVER expose the unit to high heat.
- NEVER place the unit close to or in a fire and keep it out of direct sunlight.
- NEVER use, store or charge this unit in an area where it can be exposed to rain or in any area where moisture is present, like a bathroom.
- NEVER connect the output to the main power. Only use the output socket to power external devices.
- NEVER handle the unit or touch plug-in areas with wet hands.
- NEVER attach any metallic objects to the AC input or output.
- NEVER rub your eyes if any fluid from the inside of the unit gets into your eyes.
- NEVER discard this unit together with household waste.
- NEVER use other power cords than supplied for this unit.
- NEVER operate this unit at input voltages greater than specified.
- NEVER use this unit if there are issues and it is not functioning properly.
- NEVER move the unit while it is recharging or in use.



WARNING

Failure to comply may lead to serious injury or death.

- Only use or store this unit in a clean and dry environment. Never use or store in a dusty and wet environment.
- Make sure to check the unit before every use. If it appears damaged or broken do not use.
- NEVER use the unit if the power cord appears damaged or broken.
- Keep pets away from the unit.
- If fluid from inside the unit comes in contact with your skin or clothes, immediately wash the affected areas with water.
- In the event of a storm, make sure to unplug the power cord from the socket.
- NEVER place this unit on its side or upside down while using or storing it.
- NEVER use accessories for anything other than their intended uses.

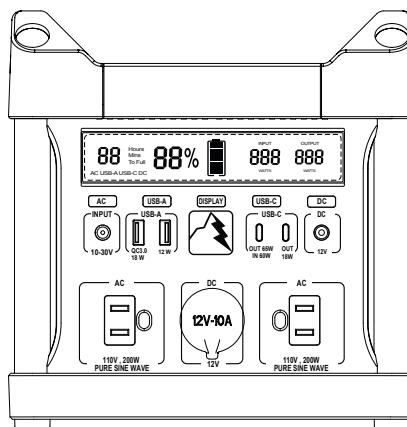


CAUTION

Failure to comply may lead to serious injury or death.

- Failure to comply may lead to serious injury or death.
- If you notice rust, strange odors, overheating or other issues, immediately stop using this unit and contact customer service.
- This unit is compliant with all legal requirements necessary for the transport of dangerous goods.
- When transporting in a vehicle, make sure the unit is properly secured.
- Always use, charge or store this unit in an area with an ambient temperate between 0 to 40 degrees Celsius (32 to 104 degrees Fahrenheit).
- If the unit is dropped, has fallen or was subjected to vibrations, switch it off immediately.
- Make sure to carefully read all instructions for any electric devices you want to connect to this unit.
- Ensure that any device you want to connect is switched off before connecting it to the unit.

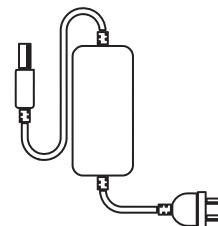
WHAT'S IN THE BOX



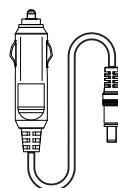
Main Body



User Manual

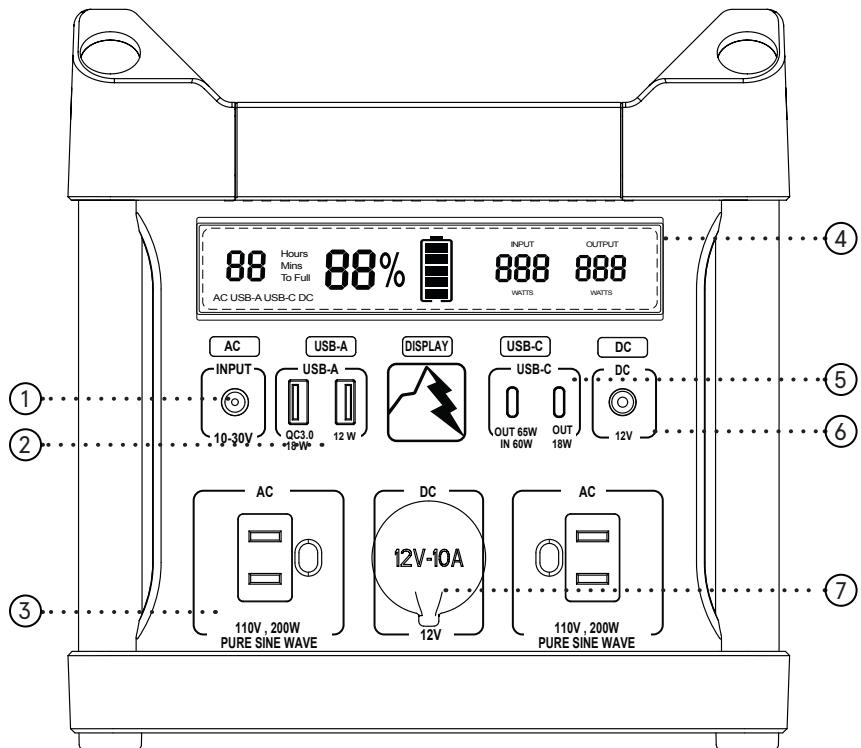


AC Wall Charger



Car Charger

PRODUCT OVERVIEW



① DC Input
10-30VDC

② USB-A Port
QC 18W, 12W

③ AC Port
110V

④ LCD Screen

⑤ USB-C1
Input 60W, Output 65W

USB-C2
Output 18W

⑥ DC Port
5.5mm

⑦ 12V Auxiliary

HOW TO START

STEP 1

Turn on unit by pressing the **DISPLAY** button on the front of the power station. LCD screen will light up.

STEP 2

Charge unit fully before first use. See the **How to Charge** section for details.

STEP 3

Enjoy the freedom of Off-Grid Power Anywhere!

Helpful Hint: You can charge your unit and run your gear at the same time!

HOW TO CHARGE

The LCD screen indicates when the X-300 unit is being charged. Once fully charged, all battery segments will be lit and remain solid. As long as there is more power going into the unit than is being pulled from the output ports, the display will also indicate an estimated time until fully charged. This is an estimated time based on the power input and output numbers at that time; it will gradually adjust to a shorter or longer time as the average charge or discharge rates fluctuate.

MULTIPLE WAYS TO CHARGE



Swift Tech™

WALL

Using the included AC Wall Charger, plug your power station into any wall outlet. Use the DC port that is highlighted in white on the front of the unit. You will know the unit is charging when the blue LED light next to the input port turns on, and battery segments in the battery display are blinking. It is fully charged when all battery segments stop blinking and remain solid. The Power Ridge® X-300 should recharge from the wall in about 5 hours.

USB-C

Charge your power station using a 60W USB-C PD input/output port by plugging into any USB-C charger (sold separately). Please use the port on the front marked in/out. You need to activate the port by pushing the USB-C button.

Force Output function can be engaged by holding the USB-C button for three seconds. This is for 2 devices connected that have input/output functions.

HOW TO CHARGE (CONT.)

CAR

Plug into your vehicle's 12V Auxiliary Port/Car Charger using the provided car charger only. **NOTE:** Do not attempt to charge the power station from another 12V source using another cable, it may lead to damage of the unit. The Power Ridge® X-300 should recharge with a car charger in about 6 hours.

SOLAR PANEL

Power Ridge® has one DC charging port on the front of the unit. The port is designed to work with a solar panel (adapter may be needed) and maximize its efficiency with a MPPT installed. Use the DC port that is highlighted in white on the front of the unit. It is capable of taking a combined input of 110 watts using DC and USB-C inputs. The Power Ridge® X-300 should recharge with a solar panel (purchased separately) in direct light in about 6 hours.

1. Place your solar panel where it will get as much direct sunlight as possible.
2. Insert the plug from the panel into DC input port. You will know it is charging when the blue LED light next to the input port lights up, and the battery segments in the LCD battery display are blinking. The unit is fully charged when all battery segments stop blinking and remain solid.
3. Some solar panels are chainable to provide more power to your power station and reduce solar charge times. Accessories may be needed if solar panels are not equipped to be daisy chained. Make sure the open circuit voltage of the solar module is not higher than 27V and not lower than 12V.

SWIFT TECH™

Simultaneous charging using both the USB-C Port and DC port allows you to cut charge time in almost half with an estimated recharge of 2.7 hours. You just need to follow both steps in the How to Charge section. The max charge input for this unit is 110W.

The charging time mentioned above is full speed charging under the condition of no load on the X-300 power supply.

HOURS OF POWER



Up to
21.5 charges



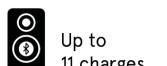
Up to
9 charges



Up to
5.5 charges



Up to
2.5 hours



Up to
11 charges



Up to
73 charges

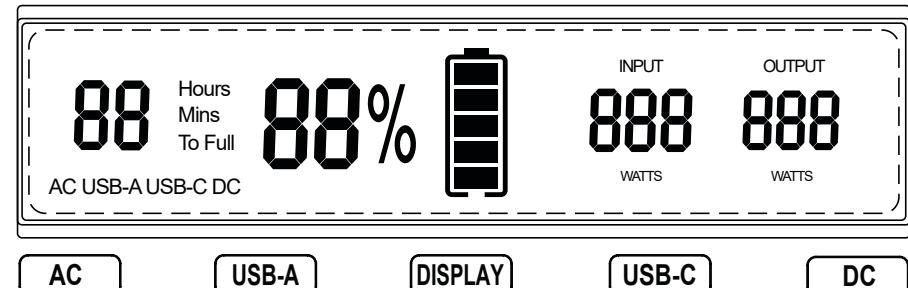


Up to
7.5 charges



Up to
7.5 hours

LCD DISPLAY AND INTERACTIVE BUTTONS



DISPLAY

Press to turn on and off the LCD screen.

AC/USB-A/USB-C/DC

Press to allow items plugged into the ports to receive power from the power station.

INPUT

Shows the amount of power (watts) going into the power station while charging. If charging from solar, you'll see the watts change as you reposition the panels into/out of the sunlight.

OUTPUT

Shows the amount of power (watts) your devices are using while plugged into the power station.

TIME TO EMPTY/FULL

Shows the amount of time before your power station is completely charged or empty, depending on if the net amount of power being consumed/charged.

BATTERY LEVEL

Shows 5 segments, approximating 20% - 40% - 60% - 80% -100% capacity. As you use segments will disappear from the display, indicating the remaining charge. When charging you will notice a battery segment blinking. This indicates the current charge status. Once fully charged, all battery segments will be lit and remain solid. There is also an actual percentage that is calculated for you on percentage of full battery for additional indication.

When the battery is too low, the empty battery symbol flashes for 30 seconds.

When the battery is charging, the battery symbol and charge percentage flash.

When overvoltage protection is engaged, the DC-IN and battery symbol flash synchronously 1 long and 1 short.

When temperature protection is triggered, the battery symbol flashes for 30 seconds at 2 short and 1 long.

HOW TO STORE

Ideally, the power station should be plugged in when not in use is the best way to keep it fully charged and ready to use in a moment's notice. This prolongs battery life and will ensure your power station is charged and ready to go all day, every day.

If you can't keep your power station plugged into a power source during storage, we recommend that you keep the battery at about 50% and store it in a clean, dry (no more than 75% humidity), room temperature environment or fully-charge it every 3 months.

Failure to maintain your power station by following these steps can result in battery damage which will void the product warranty.

KEY FEATURES

EXCELLENT CHARGING AND DISCHARGING SPEED

The X-300's USB-C interface uses PD technology to provide up to 65W of output and up to 60W of input power for compatible devices. Meanwhile, USB-A QC3.0 technology provides up to 18W of output power.

PURE SINE WAVE ALTERNATING CURRENT

The X-300 uses a pure sinusoidal inverter, which can efficiently and safely provide clean, quiet, and stable power to precision electronic equipment. The rated power can be up to 200W.

LCD DISPLAY MONITOR

The X-300 is equipped with LCD display, which can not only accurately and intuitively transmit real-time input and output power to you, but also calculate the estimated usage time of the remaining power of the device and the estimated completion time of charging.

PRODUCT PROTECTION

The X-300's Battery Management System (BMS) provides voltage regulation, temperature regulation, short-circuit protection, and overcurrent protection to protect the unit and your electrical equipment from damage.

SPECIFICATIONS

GENERAL	BATTERY	OUTPUT
 Dimensions 216 x 146 x 214 mm	 Type Lithium-ion	 USB-A Output Port 5V 2.4A
 Weight 3100 ± 20 g	 Voltage 14.8	 USB-A QC Output Port 5-12V 18W Max
 Material PC + ABS	 Cycle Life 500 Cycles to 80% Capacity	 USB-C PD Output Port 5 - 20V, 65W Max
 Operating Temperature 0-40°C/32-104°F	 Capacity 20000mAh/296Wh	 USB-C Output Port 5-12V, 18W Max
INPUT		
 DC Input Port 10-30V, 5.0A 60W Max		 DC Car Output Port 12V, 10A, 120W Max
 Storage Temperature 0-45°C/32-113°F	 USB-C PD Input Port 20V, 60W Max	 AC Output Port 110V, 200W (Rated) 350W (Surge) Pure Sine Wave
		Total: 110W Max Total Continuous Output: 300W Max

TROUBLESHOOTING

Fault Code	Possible Causes	Solution
"INPUT Err" blink	1. DC Input Port Overvoltage Protection 2. DC Input Port Undervoltage Protection	1. Remove all connections 2. Please confirm whether the output voltage of the charging device is within the range of 10~30VDC, otherwise it cannot be used 3. Try to use our company and regular channels to buy charging equipment
"AC" "OUTPUT Err" blink	AC output overload short circuit, overtemperature protection	1. Remove all connections 2. After the machine cools down or removes the fault load and replaces the load that is lower than or equal to the current interface power to remove, start up again for use
"USB-A" "OUTPUT Err" blink	USB-A output overload short circuit	1. Remove all connections 2. When the machine is removed from the fault load and replaced with a load lower than or equal to the current interface power, it is started up again for use
"USB-C" "OUTPUT Err" blink	USB-C output overload short circuit	1. Remove all connections 2. When the machine is removed from the fault load and replaced with a load lower than or equal to the current interface power, it is started up again for use
"DC" "OUTPUT Err" blink	DC, car charging port output overload short circuit	1. Remove all connections 2. When the machine is removed from the fault load and replaced with a load lower than or equal to the current interface power, it is started up again for use
"INPUT OTP" blink	When charging the battery the highest temperature ($\geq 50^{\circ}\text{C}$) or lowest temperature ($\leq 0^{\circ}\text{C}$)	1. When the battery temperature of the machine is restored to $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$ range, the charging function will be resumed automatically
"OUTPUT OTP" blink	When charging the battery the highest temperature ($\geq 65^{\circ}\text{C}$) or lowest temperature ($\leq -20^{\circ}\text{C}$)	1. Do not use in extreme environment 2. Remove all connections 3. Turn on the machine again when it cools down

APPLICABLE EQUIPMENT



USB-A/QC

Smart watches, e-books, tablets, sports cameras, digital cameras, Bluetooth speakers, wireless headphones, drones and other USB-enabled devices.

USB-C/PD

Smart phones, tablets, laptops, DSLR cameras, Bluetooth headsets, drones, and other USB-C-enabled devices.

12V AUXILIARY

Air compressor, powered cooler, car vacuum cleaner, car air purifier, car fan, car refrigerator, RV television, and other car equipment.

AC

Laptops, monitors, televisions, game consoles, portable projectors, fans, lights, and other AC powered devices.

WARRANTY

While we strive to make the best products available we understand things can happen. **Our commitment to you is as follows:**

Power Ridge® Limited Warranty:

Power Ridge® warrants its product to be free manufacturer defects, unless specified otherwise, for two years from date of purchase from an authorized dealer. This is a limited warranty and is subject to the following guidelines:

1. Product must be purchased from a current authorized dealer
2. You must have your proof of purchase
3. Product must be used within the guidelines it was intended (normal care of product, weight limits, etc.)
4. Normal wear and tear is expected and not covered under our limited warranty

Exclusions To This Warranty Are:

1. Product purchased through non-authorized sources such as auction houses, third party vendors, liquidation houses, garage sales, closeout retailers and third party web sites.
2. Product that has not been used as intended
3. Product that has been altered or damaged intentionally
4. Fabric and bungee cord
5. Product made by other manufacturers
6. Product preferences such as color or a specific feature
7. Third party repairs
8. Size or fit of an item
9. Replacement items are not covered under warranty

What To Do If You Have A Problem:

1. Because we make custom designed products for all of our retail partners Westfield Outdoors asks that you contact the retailer where you purchased the item to see if they are able to exchange or refund under their store policies.
2. If the retailer is unable to accept the return please email warranty@westfieldoutdoors.com with the subject line of: Warranty Claim and the current day's date. Please do not call our office. Be sure to include the following:
 - a.) Your name, address and daytime phone number
 - b.) The product name, item number and where it was purchased
 - c.) A description of your claim
 - d.) Please attach the following to your email: Pictures of the product and the defect you are claiming and a copy of your proof of purchase.
 - e.) Once contacted by a Power Ridge® representative you will be issued a warranty claim number. Be sure to keep this number at hand and refer to it at all times during the warranty review process.
 - f.) Failure to meet any of the above will result in your claim being rejected.

WARRANTY

Please note:

1. Under certain circumstances Westfield Outdoors or our representatives may request that product to be returned to us for inspection in resolving the claim. If that is the case Westfield Outdoors will not cover the cost of the item to be shipped back. If your product is determined to be under warranty Westfield Outdoors will ship a replacement or similar item to you without any charge. If it is determined the item is not covered under our warranty we will ship the item back to you at your cost or dispose of at our facility.
2. If your product is determined to be covered under our warranty, and because we make custom designed products for our retail partners, we may or may not have the exact item in stock to replace your product. Westfield Outdoors reserves the right to send an exact replacement or a product of similar quality and function to satisfy the claim.

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FCC Warning Statement

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.

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.



POWER RIDGE[®]

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