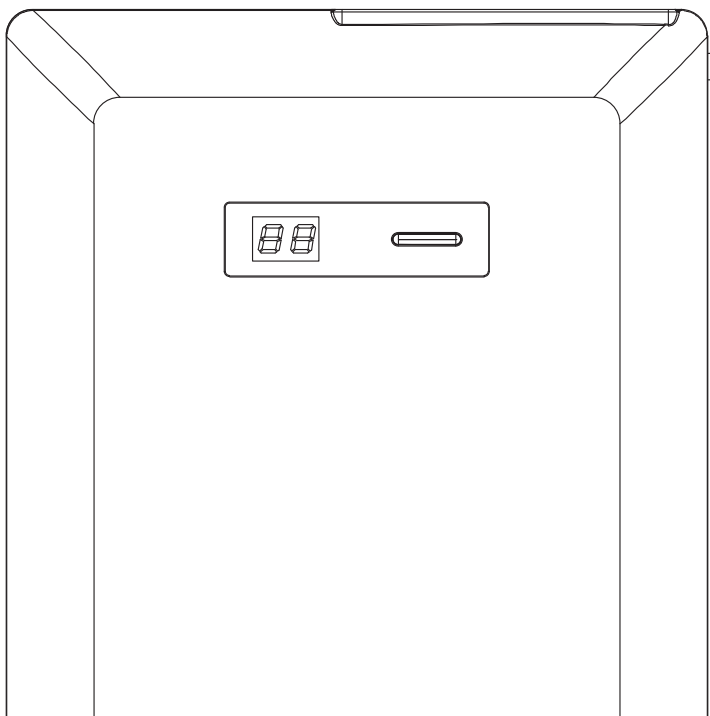




54,000mAh PREMIUM DUAL AC POWER SUPPLY



USER MANUAL

Record Customer Information Below

Have The Following Informarion Ready when Submitting A Warranty Claim

Order Number _____

Order Date _____

Received Date _____

Customer Name _____

Order Email _____

Phone Number _____

If your product requires troubleshooting, warranty service, or a return within the first 30 days, visit chargetech.com/contact/ or email us at support@chargetechsolutions.com

See page 9 for more information on the included 1-year warranty.

About the Antimicrobial Coating

The antimicrobial solution used to treat this product contains positively charged silver ions. These silver ions bind favorably to DNA and prevent DNA replication in microbes, rendering them unable to divide or reproduce while in contact with the antimicrobial surface. The coating is always on and working to make sure your product is free of microbes such as bacteria and viruses. The antimicrobial process is not immediate and takes time to stop microbes in their track.

Specifications

AC Power Output x 2

AC output voltage(nominal) : 120V AC
Continuous AC output Power : 250W
Peak AC output power: 300W
Maximum AC output surge power : 350W
AC output frequency : 60Hz
Battery Capacity : ~54,000mAh/199Wh

USB Power Output x 2

DC output voltage : 5V DC
DC output Current(Max) : 3.4Amps

Type-C power Input/Output x 1

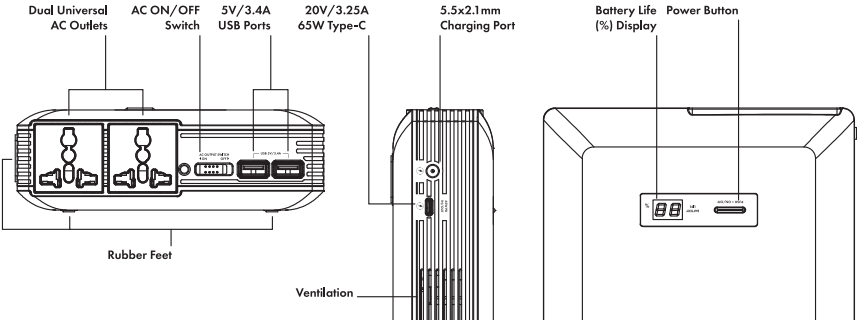
DC output voltage : 20V DC
DC output Current(Max) : 3.25Amps
Maximum Output: 65W

Weight and Dimensions

Weight: 3 lbs 5 oz

Dimensions: 8.7 in (L) x 6.3 in (W) x 2.1 in (H)

Device Features



Function

This product is able to charge 120VAC devices that require 15-250 watts of power. The USB ports can also power most electronic devices that draw power from a USB source. The AC output waveform is "modified sine wave", and is designed to function similarly to the sine wave shape of utility power.

How to Recharge

Use the included 65W Charging Adapter to recharge. Insert the AC plug of the charging adapter into a regular wall outlet, avoiding any power or extension cords, if possible. Connect the circular barrel plug DC jack of the charging adapter into the DC port on the side panel or with a Type-C PD Charger with at least 45W of power and up to 65W Max. The unit should automatically begin charging and showing a flashing digital display. When the unit is fully charged, the screen will display "FF" for 7-8 hours before use.

Calculating Run Time

The Portable Power Supply is 199 Watt Hours. To find out how long you will be able to power or charge a device, you need to locate the power draw in watts of the power supply for that device (usually located on a sticker on the power supply or in the technical specifications in the user manual). Once you have located the power draw in watts, divide 199Wh by power draw in watts and you will get a rough estimate of how long your Portable Power Supply will last. This calculation is based on perfect conditions and does not account for any other factors that may affect run time such as fluctuating power draw.

Example Run Time: 199Wh / 20W = ~9.95 hours

How to Operate Your Battery Pack

- To manually power ON/OFF: press and hold down the power button (located on the top of the unit) for 3 seconds. All LED lights/display should turn ON/OFF.
- To use the AC outlet option: slide the AC power switch to the ON position and press the silver power indicator button located on the top of the unit. The solid red LED light will come on, which indicates that the AC outlet is on. The AC outlet will begin powering when you plug a device into the socket.
- The device must be 15-250W for the AC outlet to work. If the device is less 5W or more than 250W, the AC outlet will auto-shut off and the red LED light will turn off. While the unit is off, press and hold the power button until the battery life screen begins flashing. This activates continuous mode and the entire unit will stay on until manually turned off again. Make sure you slide the AC power switch to the OFF position when not in use.
- Recharging your Power Supply can be done with the included 48W Charging Adapter or with a Type-C PD Charger with at least 45W of power and up to 65W Max. The Type-C PD port can also be used to charge your Type-C devices up to a Max of 65W.
- The USB output will automatically power off after about 90 seconds if there is no device detected. To maximize the amount of power output from the USB ports, make sure the AC power switch is in the OFF position. The battery will automatically power off if no device is detected after 90 seconds unless continuous mode is on.
- While plugged in and charging, the power supply will allow pass-through charging to continue powering whatever is plugged in at the time. If you would like this function disabled while recharging your battery pack, press and hold down the power button for 2 seconds while it is plugged into the wall. Repeat to re-enable all ports for pass-through charging.
- Warning: if the battery exceeds a safe operating temperature, due to insufficient ventilation or a high-temperature environment, the unit will automatically shutdown. The red LED light will turn off.

Warning & Conditions

- Keep out of reach of children. It can generate the same potentially dangerous level of AC power as a normal household wall outlet.
- The product may become uncomfortably warm, reaching 140°F (60°C) under extended high power usage. While you are using the product, make sure to keep it away from materials that may be affected by high temperatures.
- Do not use the product in the presence of flammable fumes or gases, such as near fireplaces or propane tanks.
- Use caution when inserting an AC plug into the three-prong AC outlet. The prongs of an AC plug can become bent from misuse, if an AC plug is improperly inserted the AC outlet, a bent prong can slip outside of the product and become a shock hazard.
- Hold on carefully when inserting or removing an AC plug. Keep your fingers clear of the AC outlet. Ensure that your fingers do not come in contact with the prongs of the AC plug if it is partially inside product.
- Some chargers made from small nickel-cadmium batteries can be damaged if connected to the product. Do not use the unit with devices that request a pure sine wave power source.
- Do not connect any AC load that has its neutral conductor connected to the ground with product.

Additional Safety Guidelines

- Do not insert foreign objects in the AC outlet or other openings.
- Never connect the product to power utility AC distribution wiring.
- Do not use the product in temperatures over 105°F (45°C).
- Do not expose the product to wet conditions such as water, rain, or snow.
- Failure to follow these safety guideline may cause personal injury and/or damage to the product. It may also void your product warranty.

Interference With Electronic Equipment

Generally, most AC products receive power from the unit as they would from a regular household AC outlet. The following information is concerning two possible exceptions:

Buzzing Sound In Audio Systems and Radios

Some inexpensive stereo systems and AM-FM radios have inadequate internal power supply filtering and “buzz” slightly when powered by this product. Generally, the only solution is an audio product with a higher quality filter.

Television Interference

This product is shielded to minimize its interference with TV signals. However, The weak TV signals interference may be visible in the form of lines scrolling across the screen. The following should minimize or eliminate the problem:

- Increase the distance between the battery pack, the television, and the antenna and cables.
- Adjust the orientation of they battery pack, television, and antenna and cables.
- Maximize TV signal strength by using a better antenna and shielded antenna cable where possible.

Safety Features

These advanced safety features are built into this product.

- Electric overload protection with automatic shutdown.
- High/Low input voltage protection with automatic shutdown.
- Overheat protection with automatic shutdown.
- Output short circuit protection.
- Standby timer off.
- Overcharge protection with maximum voltage limited.
- Charging timer/temperature protection.

Failure to follow these safety guidelines may cause personal injury and/or damage to the Portable Power Outlet. It may also void your product warranty.

Troubleshooting

If any of the below issues cannot be resolved via troubleshooting, request a replacement unit through the warranty policy.***

The Product Will Not Operate, None of the Display/Lights Turn On

Possible Issue 1:

Battery is defective. Overload protection.

Possible Remedies:

- Option 1: Fully recharge the unit.
- Option 2: Let it run out of the battery completely by recharging only small devices(cell phone) through the USB port. Once it is out of battery, recharge the unit to full capacity again to reset it.

Possible Issue 2:

The product has overheated due to poor ventilation and has shut down.

Possible Remedies:

Reduce load if continuous operation is required.

Possible Issue 3:

The battery voltage is too low.

Possible Remedies:

- Option 1: Fully recharge the product.
- Option 2: Let it run out of the battery completely by recharging only small devices (cell phone) through the USB port. Once it is out of battery, recharge the unit to full capacity again to reset it.

Possible Issue 4:

Using it with motor products.

Possible Remedies:

Motor products with high surge voltage and need wave output. It is strongly recommended that you do not use this product with these devices.

Troubleshooting

Measured AC Power Outlet Output Is Too Low

Possible Issue:

Standard “ average reading “AC voltmeter used to measure output voltage, voltage, resulting in an apparent reading 5 to 1.5V too low.

Possible Remedy:

The product is “modified sine wave” and output requires “ true RMS” voltmeter for accurate measurements.

The Product Keeps Shutting Off When Something is Being Powered/Charged

Possible Issue:

The devices plugged into the product are drawing a very low amount of power (under 5W) causing the product to not register any power draw and shut off after 30 seconds.

Possible Remedies:

- Plug more devices into the battery pack to bring the total power draw over 5W.
- While the unit is off, press and hold the power button until the battery life screen begins flashing. This activates continuous mode and the entire unit will stay on until manually turned off again.

Traveling With Portable Power

The 54K Dual AC Portable Power Outlet is the perfect companion for traveling on the road and can be recharged in a vehicle by using a DC Car Charger.

Disclaimer*** The FAA and TSA state that the largest battery containing device, aka a battery pack, allowed on an aircraft is 100 Watt Hours. This Portable Power Outlet is 199 Watt Hours, which is double the amount allowable on a flight. The only ChargeTech AC battery pack allowed on a flight is the 27K Portable Power Outlet which clocks in at 98 Watt Hours and must be taken with you on the flight as carry-on luggage only and cannot be checked in. For more information, visit the FAA and TSA websites.

Warranty & Return

What Does This Warranty Cover?

This Limited Warranty is provided by ChargeTech and covers defects in function and materials in your Portable Power Supply. This warranty period lasts for 1 year from the date of delivery to the original end user. After 1 year following the date of delivery, the warranty is void and the product will no longer be eligible for exchange. You will be required to provide proof of purchase to make warranty claims. Warranty does not cover normal wear and tear of the product, and ChargeTech will not be responsible for any defect in or damage to the product if it has been misused, neglected, improperly installed, physically damaged or altered, either internally or externally, or damaged from improper use or being used in an unsuitable environment. If it has been subjected to fire, water, general corrosion, biological infestations, or input voltage that creates operating conditions beyond the maximum or minimum limits listed in the ChargeTech product specifications including high input voltage from generators and lightning strikes, the warranty claim may be denied and the claimant responsible for any return shipping charges.

Can I Return This Product for a Refund?

You can return your product for a full refund within the first 30 days after delivery if you receive a defective product. After 30 days, the product is now only eligible for an even exchange should any defects arise. If you are returning an unopened or unused unit, you will be charged a 20% restocking fee.

How Do I Get Service?

If your product requires troubleshooting, warranty service, or a return within the first 30 days, visit [chargetech.com/contact/](https://www.chargetech.com/contact/) or email us at support@chargetechsolutions.com. Dated proof of purchase must accompany the product and the product must not have been disassembled or modified without prior written authorization by ChargeTech.





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