

# FLEX UPS RAPID CHARGER



## USER MANUAL



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# STARTUP BASICS

1. The UPS Rapid Charger can be placed anywhere in a Flex stack below the Flex Power Console.
2. Be sure to secure all latches after a new module has been added to your Flex System.
3. You can use up to **two** UPS Rapid Chargers per Flex System. However, if you only have one Flex Battery, the max charge rate will be limited to **1200W**. With two or more batteries, the max charge rate will be **2400W**. \*Make sure to use separate AC circuits or 240VAC, as **2400W may trip your circuit breaker**.\*
4. The charge rate and estimated time will display on your Flex Power Console's LCD screen.
5. Once your UPS Rapid Charger is installed, your Flex System utilizes stored battery power anytime a power outage occurs **without interruption** to devices or appliances powered by your Flex System.
6. With the UPS Rapid Charger, your Flex System can continuously power loads up to 1100W when using shore power at a campground or the wall outlet at home. So long as your average load doesn't exceed this, your Flex Batteries will always remain charged.
7. The silver button on the front controls the charge rate. If depressed, the max charge rate is 1200W. Otherwise, the rate is limited to 250W. With this, you can slow the charge of your system to maximize the life of your Flex Batteries. Charging a single Flex Battery at >500W frequently will reduce the cycle life of your battery, just like a cell phone.



# IMPORTANT SAFETY GUIDELINES

**NEVER** allow your Flex System to get wet. Allow any condensation to dry completely before powering-on or charging your Flex System. If your Flex System does get wet, contact us to ensure it is safe before attempting to use it again.

**NEVER** force or allow any appendages or metal objects to come into contact with or touch any ports on your Flex System. Doing so risks death, serious injury, and electrical shock. These outlets supply power very similar to that of a normal home wall outlet, and **are as (or more) dangerous**. Keep unsupervised children away at all times.

**NEVER** attempt to repair your Flex System yourself; any alteration or disassembly of any Flex Module will void all warranties. Any tampering with the warranty stickers (e.g. black dot with Inergy logo) will also void the warranty, including any separately-purchased extended warranties.

**ALWAYS** keep your Flex System clean. Regularly inspect for dirt, dust, or moisture. You may clean connectors, outlets, and fans with canned air for electronics. Never use an air compressor to clean or dust-off your System.

**ALWAYS** use the same type and rating when replacing any fuses. Before doing so, identify the cause of failure and mitigate before applying power again. Contact support if repeated failures occur. Do not continue to replace fuses.

**NEVER** block cooling fan vents on either side of your Flex System. Provide for 2 inches of space on right and left side of your Flex System for proper airflow. Never use your Flex System inside of an enclosed, unventilated enclosure.

For questions about repair/service, please contact our U.S.-based Tech Support team (see Support/Contact Information on page 5). There are no user-serviceable parts inside.



# TECH SPECS

- Output power up to 1200W (depending on battery state of charge and internal temperature)
- Output current 0~100A (depending on battery state-of-charge, system temperatures, and other safety factors)
- Enables instantaneous usage of battery energy when a power outage occurs with no interruption to your loads

## PHYSICAL DIMENSIONS

- 14" x 8" x 3.4"

## WEIGHT

- ~8 lbs

## ONLINE UPS (UNINTERRUPTED POWER SUPPLY)

- Switching between grid and battery power is instantaneous (<1ms), via online UPS technology.

## AC CHARGING

- Charges your Flex Batteries at rates of up to 100A/1200W (per UPS Rapid Charger)
- 95-250VAC 50-60Hz 1400W Universal AC Input



**A - CHARGE RATE BUTTON**

**B - AC INPUT AND FUSE**

**C - MODULE LATCHES (2)**

**D - REMOVABLE RUBBER FEET (4)**



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# FAQS AND SUPPORT

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## **CAN I USE THIS MODULE WHILE MY SYSTEM IS SOLAR CHARGING?**

Yes. You can mix and match any and all charge sources on your Flex System. You could even put a Flex MPPT Supercharger in the same stack as your UPS Rapid Charger. However, batteries will limit the charge rate individually, and may shut off the charge input(s) temporarily if they exceed a battery's ratings. The UPS Rapid Charger may reduce its output power based on other charge sources in the system and the number of batteries connected.

## **CAN I CONNECT THE POWER CABLE TO A GAS GENERATOR?**

Yes. However, the UPS Rapid Charger requires at least 1400W at 120VAC. If your generator is smaller than this, then the generator may shut off or its breaker(s) may trip. You can control the max charge rate via the button on the front panel, or via the Inergy Connect app (if your system is equipped with a Smart Connect Module, Wi-Fi, and/or Bluetooth).

## **CAN I USE THIS TO CHARGE MY BATTERIES WITHOUT HAVING MY FLEX CONSOLE CONNECTED AND POWERED-ON?**

Yes, but the charge rate will be limited to 20A max. \*\*Your batteries may need a firmware update to enable this. Contact Inergy Support for more information. You may be required to purchase a Flex Smart Connect Module to receive updates. Returning Flex Batteries for non-critical firmware updates is not covered under any warranty, and may incur fees for shipping and handling. We recommend using a Smart Connect Module to receive free firmware updates as-available.

## **INERGY SUPPORT AND CONTACT INFORMATION**

+1-435-660-4616

[support@inergysolar.com](mailto:support@inergysolar.com)

[www.inergytek.com](http://www.inergytek.com)

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