

CAUTION AND TROUBLESHOOTING

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- Please ensure that mPowerpack 230 is fully charged before the first usage.
- Please ensure that you use a standard cable with appropriate specifications for USB charging (supplied by device manufacturer) and 'DC OUT' charging (supplied by Third Wave Power).
- Please remove all connections from mPowerpack 230 when it goes into protection mode caused by improper or unsupported operations. To restart, activate charging on mPowerpack 230 using the power adaptor.
- Do not immerse or place mPowerpack 230 in water or damp places.
- Do not expose mPowerpack 230 to heat or flammable sources.
- While charging from mPowerpad 2 Xpand solar kit, please ensure that mPowerpack 230 is enclosed in the zipper case to avoid exposure to sunlight and temperature.
- Please make a complete charge every 3–4 months to avoid shortening the charger's battery lifespan.
- Battery replacement shall only be done by device supplier or by their authorised agents.
- Do not incinerate nor dispose of battery in fire.
- Do not immerse or soak battery in water or any liquids.

If you experience any trouble using mPowerpack 230 laptop charger, visit the Support section of www.thirdwavepower.com or contact your local reseller or service center in your country for further assistance.

SPECIFICATIONS

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Device capacity	85.1 Wh
Battery capacity	23000 mAh; 3.7V
Internal battery type	Lithium polymer
DC output	USB1 5V/1A, USB2 5V/2A DC OUT 9V/4A, 12V/4A, 16V/4A, 19V/3.5A, 20V/3A
DC input	15V–24V/1.25A
Weight	600 g (1.3 lb)
Dimensions	185 × 125 × 17 mm (7.3 × 4.9 × 0.7 in.)
Charges:	
Laptop	1 time
Tablets (iPad, Samsung and others)	2–4 times
Smartphones (iPhone, Samsung & others)	Up to 15 times

Also charges iPods/MP3/MP4, USB cameras, e-readers, GPS, PSP/handheld game consoles, Bluetooth speakers and more.

CHARGING TIME

	From wall	From the sun*
Charging time	~ 5 hours	~ 12 hours

* Via mPowerpad 2 Xpand solar kit (available separately)

WARRANTY AND SUPPORT

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Limited warranty

Third Wave Power warrants the device against defects in materials and workmanship under normal use. The warranty period is 1 year for mPowerpad and mPowerpack from the date of original purchase. During the warranty period, if a defect arises, and you follow the instructions below for submitting a warranty claim, we will, at our option, either (i) repair the device using either new or refurbished parts or (ii) replace the device with a new or refurbished unit. This limited warranty applies to any repair, replacement part or replacement device for the remainder of the original warranty period or for 30 days, whichever period is longer. All replaced parts and devices for which a refund is given shall become property of Third Wave Power. This limited warranty applies only to hardware components of the device that are not subject to accident, misuse, neglect, fire or other external causes, unauthorized use, alterations or repair, or commercial use.

Submitting a warranty claim

Before you submit a warranty claim, we recommend that you first visit the Support section for assistance. Valid warranty claims are generally processed through the point of purchase during the first 30 days after purchase; however this may vary depending on where you purchased the device — please check with your reseller. If you need to claim warranty directly from Third Wave Power, please email a copy of your purchase receipt and a description of the technical problem to support@thirdwavepower.com.

Important notes

Do not send any parts or product to Third Wave Power without contacting and obtaining instructions on how to return. The warranty is void on the following conditions:

1. Any parts or parts therein is or are altered, adjusted, dismantled, modified, handled or tampered in any way whatsoever by any person or persons not authorised by us.
2. The product is damaged by accident, force majeure, fire, lightning, mishandling or failure to follow enclosed instructions.

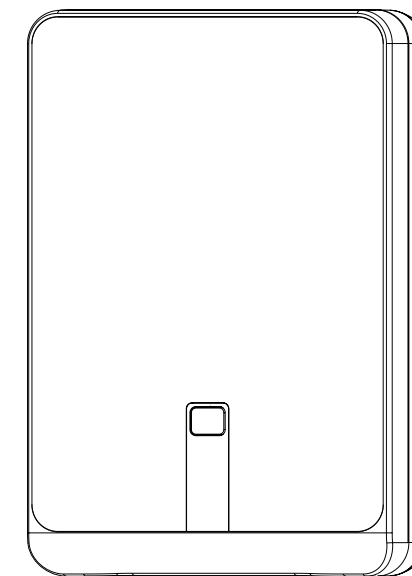
Customer support

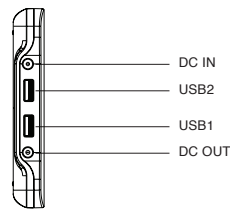
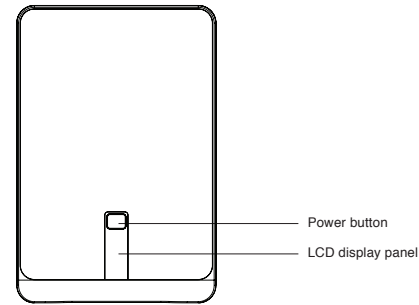
If you have any questions on using the device, please visit the Support section of www.thirdwavepower.com. Alternatively, email your question to support@thirdwavepower.com.

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mPOWERPACK 230 LAPTOP CHARGER USER GUIDE

Thank you for purchasing mPowerpad 230 laptop charger. Before you start using the product, please read these instructions carefully to learn about its features and capabilities, so you can get the best out of it.



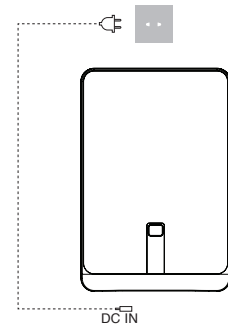


WHAT'S IN THE BOX

mPowerpack 230 laptop charger
Power adaptor
DC cable
10 adapter tips for various laptops/devices

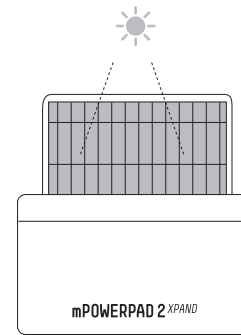
There are two ways to charge mPowerpack 230:

From the wall socket



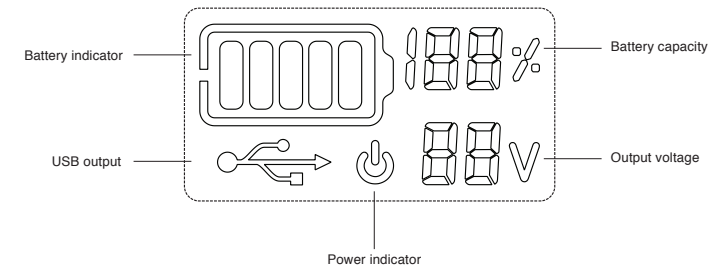
Use the power adapter and connect it to mPowerpack 230 at the port marked 'DC IN'. Plug the power adapter into the wall socket.

From the sun

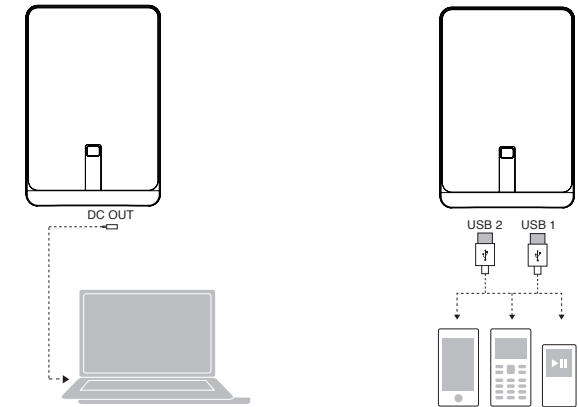


Purchase the mPowerpad 2 Xpand solar kit and use it to charge mPowerpack 230 according to the instructions found in the solar kit's user guide.

When mPowerpack 230 is being charged, the LCD display panel will indicate the percentage of battery charged. It normally takes less than 5 hours to charge it from 0–100% from the wall socket. Please fully charge mPowerpack 230 before using it for the first time.



- Press the power button once – the LCD display panel will indicate the battery charge level and the selected 'DC OUT' output voltage for 5 seconds before going into power save mode.
- Press and hold the power button for 3 seconds – the 'V' symbol starts blinking and the charger is in output voltage adjustment mode. When you press the button again, the voltage will change. When you have determined the right voltage, release the button and it will be set to the selected voltage. When the DC cable is connected to the 'DC OUT' port, the voltage selection and battery charge level will be shown on the LCD display panel.
- There are five 'DC OUT' output voltage selections available: 9V, 12V, 16V, 19V, 20V. To select the appropriate voltage, please refer to your laptop/device's technical specifications or user guide.
- The 'USB1' and 'USB2' ports are always set at 5V and are used to charge USB devices only. When the USB cable is connected to the 'USB1' or 'USB2' ports, the USB indicator and battery charge level will be shown on the LCD display panel.



Charging laptop or non-USB device

- Determine your laptop/device's voltage and switch the output voltage on mPowerpack 230 to the desired level (refer to previous page).
- Select the appropriate adaptor plug and connect it to the DC cable.
- Connect the DC cable to your laptop/device's DC input port.
- Connect the other end of the DC cable to the 'DC OUT' port on mPowerpack 230 for charging to begin.
- Disconnect the laptop/device after charging.

Charging mobile phone, tablet or USB device

- Use the USB cable that comes with your phone or device and plug it in.
- Connect the other end of the USB cable to either 'USB1' or 'USB2' on mPowerpack 230.
- For optimal charging, use 'USB1' for smartphones and lower capacity USB devices. Use 'USB2' for tablets, phablets and other higher capacity USB devices.
- Disconnect the device after charging.

You can connect two USB devices plus a laptop to charge at the same time — provided there is sufficient battery capacity and the voltage levels of the devices are supported by mPowerpack 230.