

***PowerPad<sup>®</sup>***  
***600C***

 **electrovaya**

**Safety and  
Instruction  
Manual**

# Congratulations on purchasing an ELECTROVAYA PowerPad® 600C!

This PowerPad® 600C is designed to extend the runtime of your portable computer, desktop computers, TVs, lights and other electronics devices less than 500 watts, while significantly enhancing productivity and mobility.

## **PLEASE DIRECT ALL INQUIRIES TO PowerPad® 600C TECHNICAL SUPPORT:**

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PP Tech Support  
Electrovaya  
2645 Royal Windsor Drive  
Mississauga, ON  
Canada, L5J 1K9

Local: 905 855 4610 x 3074  
Toll Free: 800 388 2865  
Fax: 905 822 7953  
E-mail: customerservice@electrovaya.com

Website:  
[www.epowerpad.com](http://www.epowerpad.com)

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## Notice

Please read these instructions in entirety before using the PowerPad® 600C. All batteries contain energy and should be used, stored, and disposed of in an appropriate manner. The PowerPad® 600C has been shipped in a partially discharged state and will reach full capacity after its first recharge.



**Caution:** Misuse or abuse of the PowerPad® 600C may result in personal injury or fire.

**AC an Adapter is required to charge the PowerPad® 600C. Contact Electroveya to purchase the correct 120 VAC Adapter: Output between 10VDC - 18 VDC, rating min 200 Watts.**

**Please Note:** Electroveya assumes no liability for problems that occur when the instructions for use and safety information are not followed.

**Box Includes:** 1 PowerPad® 600C Battery Unit  
Accessories a. Power Cable b. Adapter Tips c. DC to AC Inverter  
d. DC Charger Cable e. AC Charger Cable

## **SAFETY INFORMATION**

Please read these instructions carefully and save them for future reference. This battery is designed to provide a safe and transportable form of energy when handled under conditions of normal and intended use. It should always be used in a manner consistent with Electroveya's recommendations and guidelines.

### **IMPORTANT TIPS:**

- Do not disassemble the battery.
- Do not puncture, drop, crush, throw, hit, bend, open, or modify the battery or casing.
- Do not use if it has been dropped.
- Do not change the factory battery setting.
- Do not submerge this product in water, or splash with any fluid.
- Do not expose the battery to heat above 45°C (113°F) under use /55°C (131°F) under storage or incinerate.
- Do not insert any foreign object into the charging port.
- Do not short-circuit the battery by bringing it into contact with metal objects or by charging incorrectly.
- Keep the battery away from children.
- Always dispose of used batteries in accordance with local regulations.
- If this battery is misused or abused, it can result in personal injury from heat, smoke, fire or explosion.
- Obtain approval of airline or Courier Company before travelling with or shipping this battery.
- No outdoor usage.
- Turn off battery using Storage Switch for short or long term storage.
- Battery should only be shipped by ground freight using courier service.
- Battery must not be mailed through postal services.
- If it is to be shipped by airfreight, user must comply with IATA HazMat packing and labelling instructions.

### **CHARGING**

- The PowerPad® 600C requires DC source between 10 VDC - 18 VDC, rating minimum 200W, AC adapter. Please consult Electroveya Technical support at 905 855 4610 x 3074.

- Do not charge your PowerPad® 600C with an AC adapter that has not been supplied by ElectroVaya, as this may cause damage to the PowerPad® 600C.
- Do not use AC adapters with reversible polarities.

## **ACCESSORY: AC POWER SUPPLY**

### Warnings

- For Indoor use only.
- Not to be operated by children.
- Use in well ventilated areas, away from electrical conductive or inflammable materials.
- May become hot during normal use; take care before handling it.
- Risk of electric shock.
- Do not open or modify the unit.
- Voltage must be adjusted using the switch marked “110V” and “220V”, or the element will be damaged by over current impulse.
- In the “110V” mode, the unit will withstand 90V-120V.
- In the “220V” mode, the unit will withstand 180V-240V.

## **STORAGE & HANDLING**

- Turn the Storage Switch off for long term (more than one month) storage.
- Always store the battery in a cool and dry place between 18°C (64 °F) and 25°C (77°F), and away from flammable materials.
- The battery should not be heated or exposed to temperatures exceeding 45°C (113°F); exposure may lead to heat, smoke, fire or explosion. If the battery smokes, swells, or emits a strange smell, discontinue use.
- Do not submerge or expose battery to water or any other liquid.
- It is recommended that the battery be kept out of the reach of children.

## **DISPOSAL**

- Do not place in fire.
- Do not incinerate.
- This battery should be disposed of in accordance with local city/town regulations.

# INCASE OF EMERGENCY

## FIRE/SMOKE EMISSION

- Batteries contain flammable/combustible material that may be ignited, explode, release toxic materials, cause burns or give off gases when heated or in contact with sparks or flames.
- In the event of fire, vapor releases, and/or smoke emissions, evacuate the immediate area of all unnecessary personnel.

## CONTACT/INGESTION

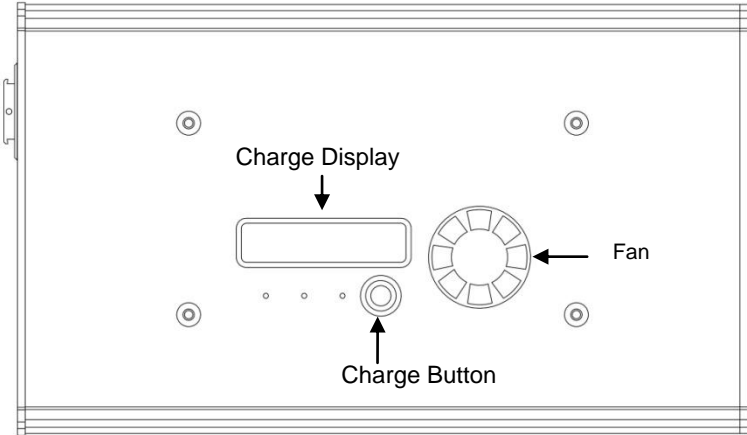
- Elements within the battery may cause skin burns, eye burns and respiratory tract burns if in contact with any of these tissue membranes.
- In the event that the electrolyte inside the battery comes into contact with the skin or eyes, flush area immediately. Seek immediate medical attention.



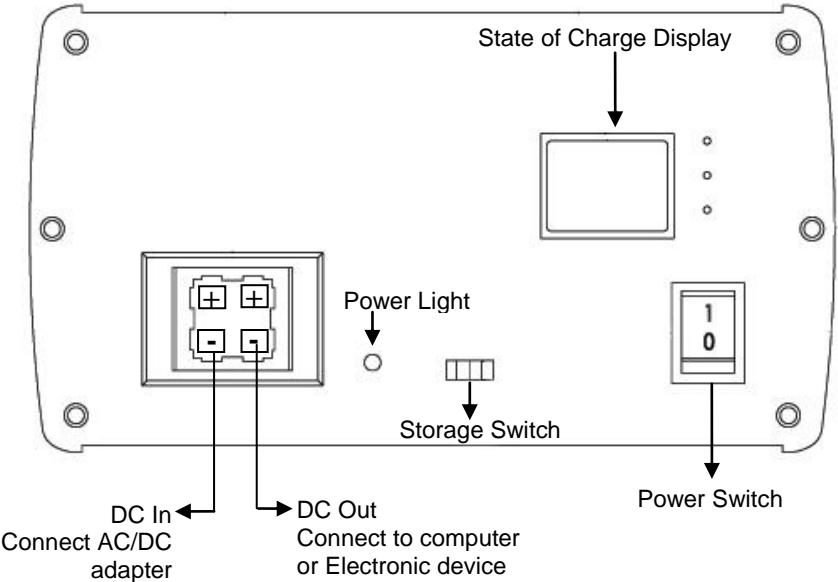
- For contact with skin, wash the area affected with soap and water. Dry gently with towel. Seek immediate medical attention.
- If fumes are inhaled, leave the immediate area. If not breathing, give artificial resuscitation. If breathing, give oxygen. Seek immediate medical attention.
- If battery material is ingested, give one or two full glasses of water to dilute material. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

# UNDERSTANDING THE DISPLAYS AND BUTTONS

## TOP VIEW



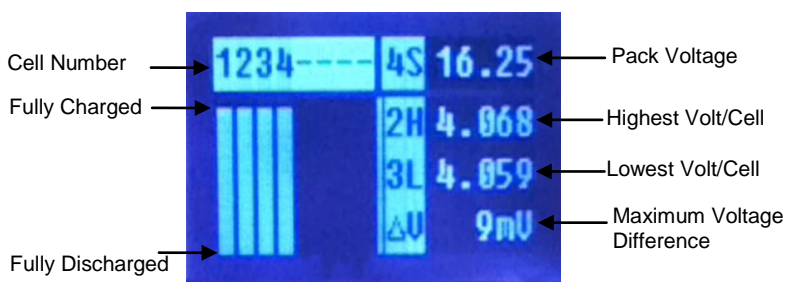
## FRONT VIEW



## UNDERSTANDING THE FUEL GAUGE

The PowerPad<sup>®</sup> 600C uses a comprehensive fuel-gauge system to indicate its charging/discharging state.

The fuel gauge displays the following information:



While the PowerPad<sup>®</sup> 600C fuel gage provides a relatively accurate state of charge during discharge, it more accurately shows the true state of charge when idle. It is therefore normal for the PowerPad<sup>®</sup> 600C to alter it has been idle for more than an hour.

If voltage on any cell drops below 3.35 V the buzzer starts beeping and internal circuit will disconnect the internal battery. Battery needs to be immediately charged.

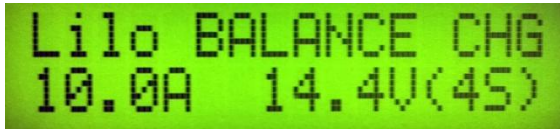
If user decides to store PowerPad<sup>®</sup> 600C, please following STORAGE & HANDLING Section on page 5.

## GETTING STARTED

1. Read this Safety and Instruction Manual in its entirety prior to using your PowerPad<sup>®</sup> 600C.
2. Ensure your package contains the PowerPad<sup>®</sup> 600C and its accessories as shown on page 11.
3. Use supplied AC adapter to charge the PowerPad<sup>®</sup> 600C. Using PowerPad<sup>®</sup> connection cable, connect AC adapter to PowerPad<sup>®</sup> 600C and turn on and a beep will sound once.



4. Check the Charge Display, it must show:



If showing other than this display, DO NOT continue and call ElectroVaya technical support: 905 855 4610 x 3074.

5. Press Charge Button until hear a beep and release.
6. The charger will beep when it is fully charge. Press Charge Button and release, beeping sound should stop.
7. Connect the PowerPad<sup>®</sup> 600C connection cable to your electronic device or to an inverter for AC power.
8. Turn on the Storage Switch (will turn on the State of Charge Display) and then turn on Power Switch, check if Power Light is on.
9. Optimize your portable computer's Power Management Settings. See *"Optimizing Battery Life"*. P.9
10. You are now ready to use your PowerPad<sup>®</sup> 600C product. See *"Recommended Use of the PowerPad<sup>®</sup> 600C"* P.8 and *"Safety Information"*. P.3
11. Although rechargeable, the battery has a limited life span. Replace the battery when the runtime between charging diminishes.

## SPECIFICATIONS

### PowerPad® 600C

Maximum Capacity	600 Wh
Run-time*	20 hrs
Charge-time**	80% charge in less than 3 hours with approved AC adapters
Dimensions	280mm X 168mm X 94 mm
Weight	6700g
Casing	Aluminum
Operating Temperature	0°C (32°F) to 45°C (113°F)

\* Based on standard laptop with optimized energy setting.

\*\* Charge times may be longer than specified during the first few charge cycles.

## RECOMMENDED USE OF THE PowerPad® 600C

The PowerPad® 600C is designed to work with portable computers, desktop computers, TVs, lights and other electronics devices or combination of electronics devices less than 400 watts. The PowerPad® 600C must be attached to the electronics device using only the PowerPad® 600C connection cable provided.

It is recommended that the PowerPad® 600C be used in conjunction with the electronics device's internal battery. This will ensure a backup of power and a seamless transfer of power supply from the PowerPad® 600C to the internal battery, in the event of a full discharge or accidental disconnection. In this situation, it may be possible to charge your computer's (or other electronics device's) battery through the recharge port of the connection cable while the PowerPad® 600C is in use. The runtime of the PowerPad® 600C will be reduced. It is recommended that the internal battery be charged separately from the PowerPad® 600C to achieve optimal performance.

The optimal operating temperature is between 20°C (70°F) and 45°C (113°F). It is recommended that the PowerPad® 600C not be exposed to direct sunlight, or to temperatures less than 0°C (32°F). When exposed to temperatures below 0°C (32°F) and above 45°C (113°F), the PowerPad® 600C will not operate; however, when the PowerPad®

600C returns to a temperature between 0°C (32°F) and 45°C (113°F) the PowerPad® 600C will again be operable.

## OPTIMIZING BATTERY LIFE

1. Charge the PowerPad® 600C immediately after received and unpacked.
2. When not in use for a month or more, charge the PowerPad® 600C prior to storing. Monitor the PowerPad® 600C during storage, and if needed, recharge to maintain capacity.
3. After a period of time, the PowerPad® 600C will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries.

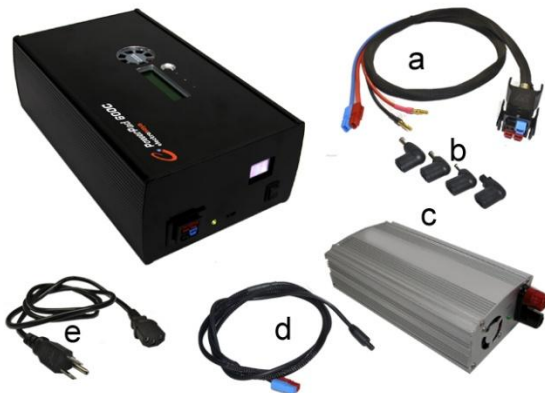
## CHARGING THE PowerPad® 600C

In order to optimize your charge time, it is recommended that the PowerPad® 600C not be charged while connected to the portable computer (or other electronics device). If charged while connected to the electronics device, charge time will take significantly longer than when disconnected from the electronics device.

Only charge your PowerPad® 600C with an AC adapter, supplied by Electrovasa.

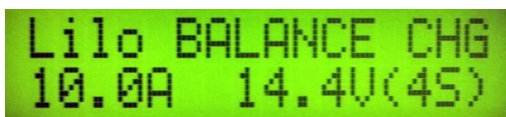
## PowerPad® 600C PACKAGE

1 PowerPad® 600C Battery Unit  
Accessories  
a. Power Cable      b. Adapter Tips      c. DC to AC Inverter  
d. DC Charger Cable      e. AC Charger Cable

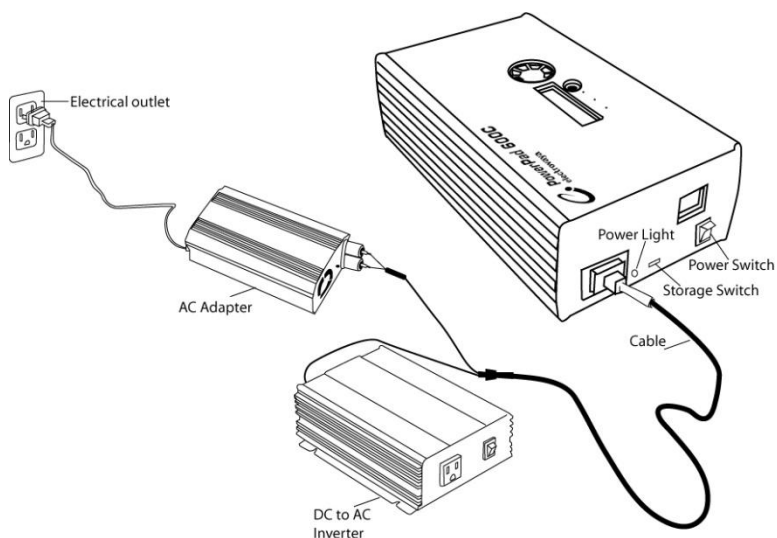


## RECOMMENDED CHARGING PROCEDURE

1. Disconnect the PowerPad<sup>®</sup> 600C connection cable from the computer, or other electronic devices, for the fastest charge.
2. Turn of the Power Switch (not Storage Switch) and check if power light is OFF.
3. Use an approved AC adapter to charge the PowerPad<sup>®</sup> 600C. Using PowerPad<sup>®</sup> connection cable, connect AC adapter to PowerPad<sup>®</sup> 600C and turn on and a beep will sound once.
4. Check battery Storage Switch is on.
5. Turn on Power Switch and check LED light is on.
6. Check the Charge Display, it must show:



7. If showing other than this display, DO NOT continue and call Electrovaya technical support: 905 855 4610 x 3074.
8. Press Charge Button until hear a beep and release.
9. The charger will beep when it is fully charge. Press Charge Button and release, beeping sound should stop.



# Thank you for purchasing the ELECTROVAYA PowerPad<sup>®</sup> 600C<sup>®</sup> products!

We appreciate your feedback, and would like to hear from you!  
Please direct all comments/product feedback to  
[customerservice@electrovaya.com](mailto:customerservice@electrovaya.com)

## **PLEASE DIRECT ALL INQUIRIES TO PowerPad<sup>®</sup> 600C TECHNICAL SUPPORT:**

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PP TechSupport  
Electrovaya  
2645 Royal Windsor Drive  
Mississauga, ON  
Canada, L5J 1K9

Local: 905 855 4610 x 3074  
Toll Free: 800 388 2865  
Fax: 905 822 7953  
E-mail: [customerservice@electrovaya.com](mailto:customerservice@electrovaya.com)

Website:  
[www.epowerpad.com](http://www.epowerpad.com)

***PowerPad<sup>®</sup>***  
***600C***

***Limited***  
***Warranty***  
***Card***

PLACE CORRECT  
POSTAGE HERE

Customer Service  
Electrovaya  
2645 Royal Windsor Drive,  
Mississauga, Ontario,  
Canada, L5J 1K9

# LIMITED WARRANTY

Electrovaya ("Electrovaya") warrants to the original purchaser ("Customer") this PowerPad® 600C product and its components ("Product") to be in good working order under normal use and maintenance for a period ("Warranty Period") of twelve (12) months from the date of purchase for the battery component and six (6) months from the date of purchase for any other components. During the Warranty Period, should the product, in Electrovaya's sole opinion, malfunction due to any defect in material and/or workmanship, the Customer's sole remedy and Electrovaya's sole liability shall be, at Electrovaya's option, to either repair or replace the malfunctioning Product with a similar product at no charge or reimburse the purchase payment, provided that the malfunctioning Product is returned, with proof of purchase in the form of the Customer's original copy of the sales receipt, within the Warranty Period to the address specified hereon (the "Limited Warranty"). If a replacement or repair product is issued, the Limited Warranty will apply to the replacement or repair product with any remaining, applicable Warranty Period continuing to run from the date of the original purchase. The Limited Warranty shall only be available to the Customer and not to any product that has been transferred and no longer owned by the Customer.

This Limited Warranty is void if Electrovaya determines that the Product has been serviced by anyone other than Electrovaya, or one of its authorized service centers, or if the Product is damaged from accident, misuse, misapplication, abusive operation, improper use and/or insufficient care or has been operated outside the parameters of the Safety and Instruction manual. THERE ARE NO EXPRESS OR IMPLIED WARRANTIES, REPRESENTATIONS OR CONDITIONS OTHER THAN THOSE STATED IN THIS LIMITED WARRANTY. This Limited Warranty is made in lieu of all other warranties, representations or conditions, whether expressed or implied, including without limitation, merchantability or fitness for a specific purpose. Some jurisdictions do not allow limitations on implied warranties, representations or conditions, so the above limitations may not apply to the Customer. The remedy set forth herein shall be the sole, exclusive remedy with respect to the Product. No person is authorized to make any other warranty or representation concerning the performance of the Product or extend, or enlarge the Limited Warranty contained herein.

Under no circumstances will Electrovaya be liable for any direct, indirect, special incidental or consequential damages (even if Electrovaya is notified of the possibility of such damages) including, but not limited to, any loss of revenue, loss of profit, or loss of data whether based upon any alleged breach of warranty, representation or condition, contract, or any other conduct including negligence (intentional or otherwise), giving rise to such claim. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to the Customer. Electrovaya shall not be liable for any claims made by a third party or made by the Customer for a third party. This Limited Warranty is not transferable. No suit or action shall be brought against Electrovaya more than one year after the accrual of the cause of action. This Limited Warranty gives the Customer specific legal rights and the Customer may also have other rights, which vary from jurisdiction to jurisdiction.

## Electrovaya Limited Warranty Registration Form

For Assistance Call:  
1-800-388-2865

Visit our Website  
[www.epowerpad.com](http://www.epowerpad.com)

To activate your Limited warranty, please complete form and return it to us by mail. Your limited warranty is depending upon completion and return of this Limited Warranty Registration Form within 30 days after purchase.

### Registration Form

Mr.  Mrs.  Ms.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Zip/Postal Code: \_\_\_\_\_

Phone Number: Business (     ) \_\_\_\_\_

Home (     ) \_\_\_\_\_

Email: \_\_\_\_\_

Purchase Location: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

Price Paid: \_\_\_\_\_

Computer Brand/Models: \_\_\_\_\_

Serial#: \_\_\_\_\_

(Please make a copy for your records)