



Power Cell 600

USER MANUAL

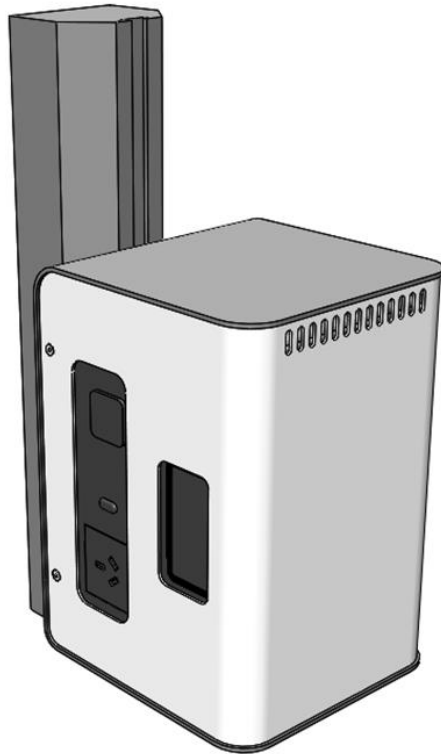


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Before you begin

- The information contained herein is subject to change without notice.
- For the latest version, please visit:
<https://visionflex.com/support/user-guides>
- The user manual contains instructions and notes on the operation and use of this unit. Visionflex recommends that you use genuine accessories.
- Visionflex shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts.
- For your safety and benefit, please read carefully before using and keep it handy for future reference.

Instructions

Please read this guide for important safety information about your device. Failure to follow these guidelines for proper set up, use, and care for your device may cause damage to this unit and injury to yourself or others.

SAVE THESE INSTRUCTIONS!

General Safety

- Always operate or store the unit in accordance with specified temperature range.
- DO NOT expose the unit to fire, liquids, sweat, dirt or other contaminants, as that may cause the battery to explode or leak flammable liquid or gas.
- DO NOT store the unit near hazardous materials including flammables, explosives, radioactive materials, etc.
- DO NOT place the unit on an unstable or tilted surface.
- Make sure the place where you are using the unit is well ventilated and spacious. Keep away from children and pets.
- Check if all connection cables are secure before use.
- DO NOT modify, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids. Batteries may explode if damaged.
- DO NOT ignore the warning notifications displayed on the power cell. DO NOT dismantle, cut, crush, puncture, or otherwise damage the unit in any way. DO NOT remove or attempt to hide any of the labels.
- DO NOT insert foreign objects into any openings.
- NEVER use a damaged battery or component. Improper use or misuse of damaged batteries may cause damage to your device or injury to yourself.
- Use approved battery and accessories ONLY. Improper use, or use of unapproved or incompatible batteries or components may result in a risk of fire, explosion, or other hazards, and may invalidate any approval or warranty.
- Turn off the unit IMMEDIATELY in case of malfunction.

- Use dry powder fire extinguisher in case of fire.
- This Power Cell should be used only with Visionflex supplied/approved carts and its approved accessories. Do not use it to power any other external appliances as overloading may occur and result in a risk of over-heating, fire, explosion, or other hazards.
- DO NOT attempt to modify, replace the internal battery or any other component of the unit by anyone other than qualified personnel. If necessary, take it to an authorised service centre as incorrect reassembly may result in a risk of fire or electric shock.

SAVE THESE INSTRUCTIONS!

Maintenance

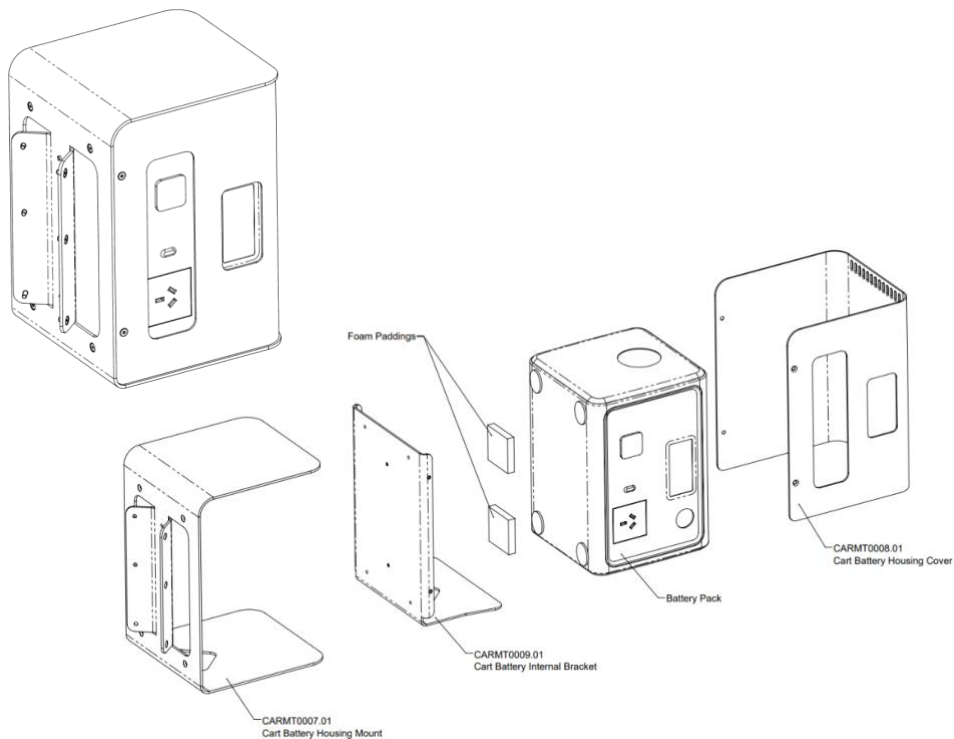
- When not using the unit for extended periods of time, power off the unit and disconnect the AC adapter from the outlet.
- Charge the unit to 80% SOC every 3-6 months for long-term storage.
- When the battery capacity drops to 20%, charge the battery to extend lifespan and do NOT power devices with 400W and above.
- Gently and carefully clean the unit with a dry cloth.
- Do not service or attempt to service any of the parts of the unit or replace any parts of the unit. Any such service or replacement voids any warranties (if any).

Handling and Storage

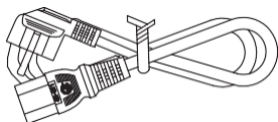
- Use mechanical assistance as needed (e.g. trolleys and adjustable height work benches). DO NOT stack anything on top of the unit either in storage or in use.
- Recommended storage temperature: -10°C to 45°C (14°F to 113°F).

What's in the box?

- Standard packaging
- Housing and Battery components for installation



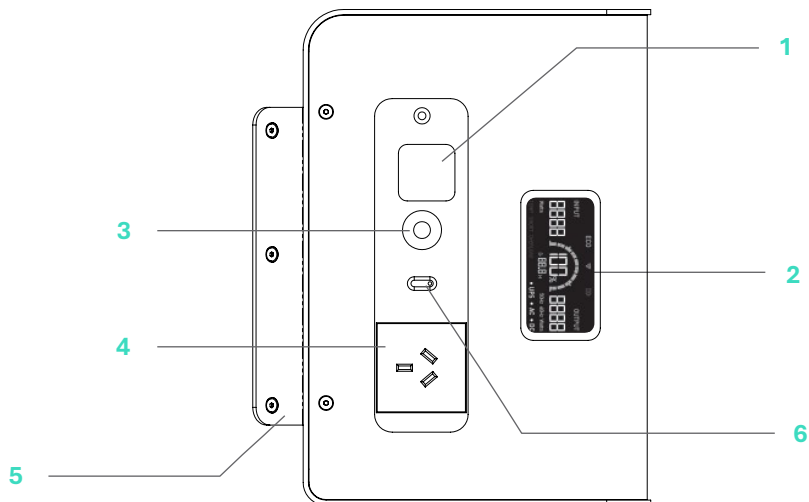
- AC Charging Cable



- User Manual



Product overview



1. AC Input Port

3. AC Circuit Breaker*

5. Pole mounting bracket

2. LCD Screen

4. AC Output Port

6. AC Power Button

* A circuit breaker is an electrical safety switch designed to protect your unit from damage caused by overcurrent or short circuit. When the AC current exceeds 10A, it will trip automatically. Press it once to reset the unit.

Specifications

GENERAL

Model	POWER-CELL 600
Battery Capacity	268.8Wh(12Ah)
Cell Type	LiFePO4
Dimensions (L*W*H)	255 x 180 x 183mm (10.04 x 7.09 x 7.20 inch)
Weight	4.6kg (10.14lbs)
Discharging Temperature	-20°C to +40°C
Charging Temperature	0°C to +40°C
Working Humidity	10%-90%

AC OUTPUT

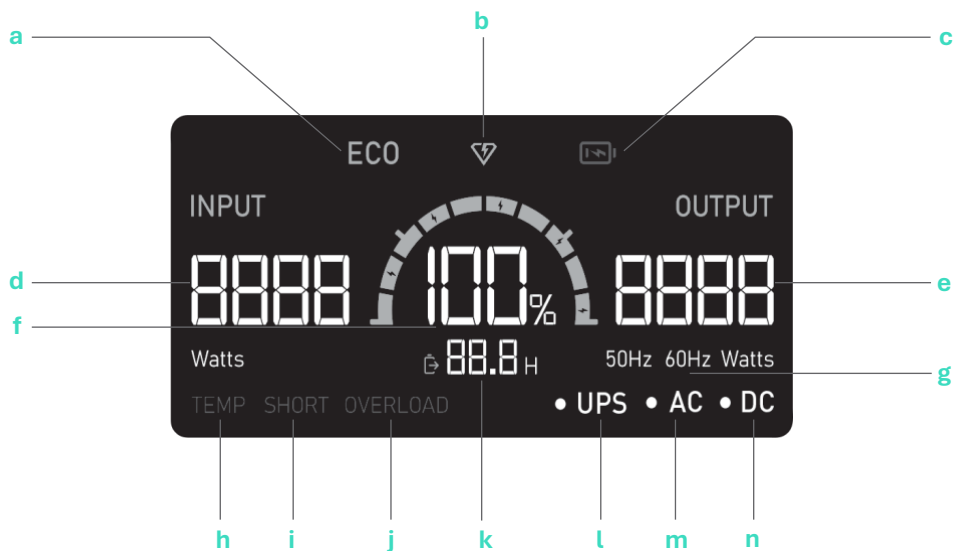
Power	600W
Surge	1200W
Voltage	220-240VAC
Current	2.6A

AC INPUT

Power	268W Max.
Voltage	220-240VAC
Current	4A
Frequency	50Hz

Operation

LCD SCREEN



a	ECO Mode (not available)	h	Temperature Anomaly Alert
b	Turbo Charging (not available)	i	Short-circuit Alert
c	Low-battery Alert	j	Overload Alert
d	Input Power (to the battery)	k	Remaining Time Indicator *
e	Output Power	l	UPS Indicator
f	Battery Capacity	m	AC Indicator
g	AC Frequency	n	DC Indicator (not available)

*This indicator tells the remaining charge/discharge time.

POWERING ON/OFF

Powering on: Press and hold the AC Power Button for 1s to start up AC output.

Green light (on the button) **ON**

LCD Display **ON**

Powering off: Press and hold the AC Power Button to turn off the unit.

Green light (on the button) **OFF**

LCD Display **OFF**

UPS

UPS Bypass Mode: Connect the Power-Cell with the AC power and the 'UPS' will be on display. Then turn on the AC output.

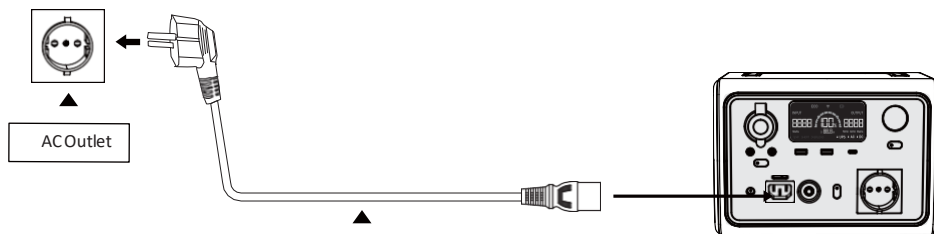
When powered-on in this mode, the AC power will directly support the loads on AC output ports and charge the battery simultaneously.

- Max. output power: 600W.
- The AC inverter is disabled during UPS Bypass Mode.
- The unit won't enter this mode unless connected with AC power when the AC output is activated.
- Ensure that the power frequency is consistent with the mains power, otherwise the AC output cannot be turned on.
- AC Frequency: The number of alternating cycles per second in an AC sine wave is 50Hz in Australia, New Zealand & Europe.

CHARGING

AC Charging

Simply plug the Power Cell 600 & Cart into the standard wall outlet. Charging will start automatically.



Power Cell 600 Comprehensive Disclaimer

IMPORTANT: READ THIS DISCLAIMER CAREFULLY BEFORE USE

The Power Cell 600 has been designed for use in noncritical patient system environments only.

This product is **NOT** classified as Medical Grade and is unsuitable for use in environments or applications requiring compliance with medical-grade standards. By purchasing or using this product, the User acknowledges and agrees that they have read, understand and agree with the terms and conditions of this disclaimer.

The Power Cell 600 is intended solely for use by the purchaser (“**User**”). Visionflex disclaims any liability for reliance on the Power Cell 600 by any third party, including, but not limited to, healthcare professionals, patients, or other users who have not directly purchased the product from Visionflex.

Compliance and Certifications

The Power Cell 600 meets the following standards:

- UN 38.3: Transportation Testing for Lithium Batteries and Cells.
- CE Marked: Compliance with European safety, health, and environmental protection requirements.

However, this product is **NOT** certified to:

- IEC 60601-1: General Requirements for Basic Safety and Essential Performance of Medical Electrical Equipment
- IEC 60601-1-2: Electromagnetic Compatibility Requirements for Medical Electrical Equipment

Compliance with UN 38.3 or CE Marking does not imply compliance with regulations in other jurisdictions. Users must verify compliance with local laws and regulations before purchasing or using this product.

Usage Restrictions

The Power Cell 600 is strictly intended for noncritical environments and must **NOT** be used:

- In operating rooms, intensive care units, or other critical patient care settings.
- In any critical care, life-support, or emergency medical applications.
- Near medical devices that require electromagnetic compatibility under IEC 60601 standards.
- In environments where failure or malfunction could result in harm to individuals, medical devices, or property.

User Obligations

Users are responsible for:

- Ensuring that the device is operated in accordance with all applicable laws, regulations, and standards relevant to their jurisdiction.
- Ensuring compliance with local laws and regulations for storage, transportation, and disposal of lithium batteries in their jurisdiction.
- Ensuring all operators are properly trained and adhere to the Instructions for Use.
- Conducting periodic inspections to identify and address potential safety risks, including wear and tear.
- Maintaining detailed records of use, maintenance, and inspections for regulatory compliance.

Environmental Operating Conditions

The Power Cell 600 must be operated within the following conditions:

- Temperature: 10°C to 40°C
- Humidity: 20% to 80% (non-condensing)

Use outside these conditions voids any warranties and absolves Visionflex Group Limited ACN 138 897 533, its affiliates, subsidiaries, directors, officers, employees, agents, suppliers, licensors, distributors, and representatives (collectively referred to as "**Visionflex**") of liability for performance issues or damages.

Health and Safety Notice

Improper use of the Power Cell 600 may result in:

- Electromagnetic interference (**EMI**), which can impair or disrupt the operation of nearby medical devices.
- Hazards such as fire, electric shock, or injury if the device is modified, damaged, or used outside its specified operating conditions.

Visionflex does not guarantee the safety or performance of this product in environments where medical-grade standards are required or where its use contravenes local laws and regulations.

Limitation of Liability

To the fullest extent permitted by law, Visionflex expressly disclaims any and all liability arising from or related to the use, misuse, installation, transportation, modification, maintenance, or operation of the Power Cell 600. This includes, but is not limited to, the following:

1. Health, Safety, and Personal Injury

Any harm, injury, or death caused directly or indirectly by:

- EMI or other device malfunctions affecting medical or electronic equipment.
- Use of the Power Cell 600 in environments requiring medical-grade compliance or other specific standards (e.g., IEC 60601-1, IEC 60601-1-2).
- Improper handling, misuse, or failure to follow the Instructions for Use.
- Inadequate training, supervision, or negligence by the user or operator.
- Unauthorised modifications, repairs, or alterations to the Power Cell 600.

2. Property Damage

Any damage to property, equipment, medical devices, or facilities caused by:

- Overheating, electrical faults, or fire resulting from improper use or installation.
- Physical impact, mishandling, or negligence in transport or operation.
- Inappropriate use of the product in conditions beyond its specified operating parameters.

3. Regulatory Compliance

Any fines, penalties, legal actions, or other consequences arising from:

- Non-compliance with local, national, or international laws, regulations, or standards governing medical devices, lithium batteries, or electronic equipment.
- Use of the Power Cell 600 in jurisdictions with stricter compliance requirements not explicitly met by this product.

4. Product Performance and Suitability

Any failure of the Power Cell 600 to meet specific performance requirements, suitability for a particular purpose, or compatibility with other devices or environments.

Any errors, defects, or malfunctions arising from:

- Use of the product outside its specified environment (e.g., critical care areas, surgical settings, etc.).
- Environmental factors such as temperature, humidity, or electromagnetic interference.
- Third-party equipment integration or improper configurations.

5. Consequential, Indirect, or Special Damages

Visionflex will not be liable for:

- Loss of profits, revenue, or business opportunities.
- Loss of data or intellectual property.
- Downtime, delays, or disruptions caused by product failure or incompatibility.
- Any indirect, incidental, special, punitive, or consequential damages arising from the use or inability to use the Power Cell 600, even if Visionflex has been advised of the possibility of such damages.

6. Force Majeure

Visionflex is not liable for any failure or delay in performance due to events beyond its reasonable control, including but not limited to acts of God, natural disasters, regulatory changes, embargoes, wars, terrorism, labour disputes, supply chain disruptions, or power outages.

7. *User Responsibility*

Users accept full responsibility for:

- Evaluating the suitability of the Power Cell 600 for their specific application.
- Ensuring compliance with all applicable laws, regulations, and standards in their jurisdiction.
- Safeguarding the product against misuse, damage, or unauthorised alterations.

Any modification, alteration, or repair of the Power Cell 600 not authorised in writing by Visionflex voids all warranties and absolves Visionflex of any liability for performance issues, injuries, or damages.

General Disclaimer

Visionflex provides this product "as is," with no warranties, express or implied, including but not limited to merchantability, fitness for a particular purpose, or non-infringement of third-party rights.

By purchasing or using the Power Cell 600, the user acknowledges and agrees to this limitation of liability and assumes all risks associated with its use.

Indemnity

To the fullest extent permitted by law, the User agrees to indemnify, defend, and hold harmless Visionflex from and against any and all claims, demands, actions, liabilities, losses, damages, costs, or expenses (including reasonable legal fees and court costs) arising out of or related to:

1. Improper Use or Misuse

- Use of the Power Cell 600 in any manner inconsistent with its Instructions for Use or intended purpose.
- Use in environments requiring compliance with medical-grade standards, including but not limited to IEC 60601-1 or IEC 60601-1-2, without explicit written authorisation from Visionflex.

2. *Non-Compliance with Laws or Standards*

- Any fines, penalties, or legal consequences arising from the User's failure to comply with local, national, or international laws, regulations, or standards governing medical devices, lithium batteries, or electronic equipment.

3. *Modifications or Repairs*

- Any unauthorised modifications, alterations, or repairs to the Power Cell 600.

4. *Health, Safety, and Property Damage*

- Claims relating to personal injury, death, or property damage allegedly caused by the Power Cell 600, unless directly attributable to a proven defect in manufacturing or materials under normal use conditions.

5. *Third-Party Claims*

- Any claims, lawsuits, or actions brought by third parties, including but not limited to patients, healthcare providers, or other end-users, arising from the use, misuse, or operation of the Power Cell 600.

6. *Environmental and Disposal Issues*

- Any claims or liabilities arising from improper transportation, storage, or disposal of the Power Cell 600 or its components, including lithium battery-related regulations.

This indemnity is in addition to and does not limit any other rights or remedies available to Visionflex under applicable laws or regulations.

The User acknowledges that this indemnity survives the termination or expiry of any agreement related to the Power Cell 600.

Jurisdictional Coverage

This disclaimer applies to all jurisdictions where the Power Cell 600 is sold, including Australia, New Zealand, the USA, Europe, Asia, and Africa. Users are solely responsible for ensuring compliance with local laws, regulations, and standards.

All disputes, claims, or controversies arising from or related to the Power Cell 600 shall be governed exclusively by the laws of Australia. The United Nations Convention on Contracts for the International Sale of Goods does not apply to this product.

Contact Information

For inquiries regarding product suitability or compliance, contact Visionflex at sales@visionflex.com. If you require a battery that complies with medical-grade standards, including IEC 60601-1 or IEC 60601-1-2, please consult Visionflex for alternative solutions.

Appendix

FAQs (Frequently Asked Questions)

Q: How do I know whether my devices will work well with this product?

A: Use only Visionflex approved products. Contact Visionflex if in doubt

Q: How can I turn on the UPS Bypass Mode and what does it mean?

A: Connect the Power-Cell with the AC power and the 'UPS' will be on display. Then turn on the AC output. When in this mode, the AC power will directly support the loads on AC output ports and charge the Power-cell.

Q: Can it charge and discharge at the same time?

A: Yes. It supports pass-through charging. The Power-cell comes with the premium LiFePO4 battery and proprietary Battery Management System to ensure that it can charge and discharge at the same time.

Q: How to deal with High Temperature power alert?

A: If the High Temperature alert activates on the display, power down the unit immediately and move the cart to a cool location for one hour before powering on again.

After Sales and Technical Support

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Email: support@visionflex.com