

EcoVault 5050[®]

Leading technology of portable power.



A 5kWh portable power station delivering a steady 5kW output, capable of capacity expansion with APU-10K, and suited for diverse climates.

The EcoVault 5050 comes in two models: **EcoVault 5050SP (EV 5050SP)** with a stage pin setup and **EcoVault 5050CL (EV 5050CL)** featuring a camlock system.

Features:

- 5kWh LiFePO₄ chemistry, >3000 cycles, and can be augmented with APU-10K.
- Operating range of -20°C to 55°C
- All-Terrain portability
- Eco-Conscious production
- 3000 charging cycles
- 1-year warranty

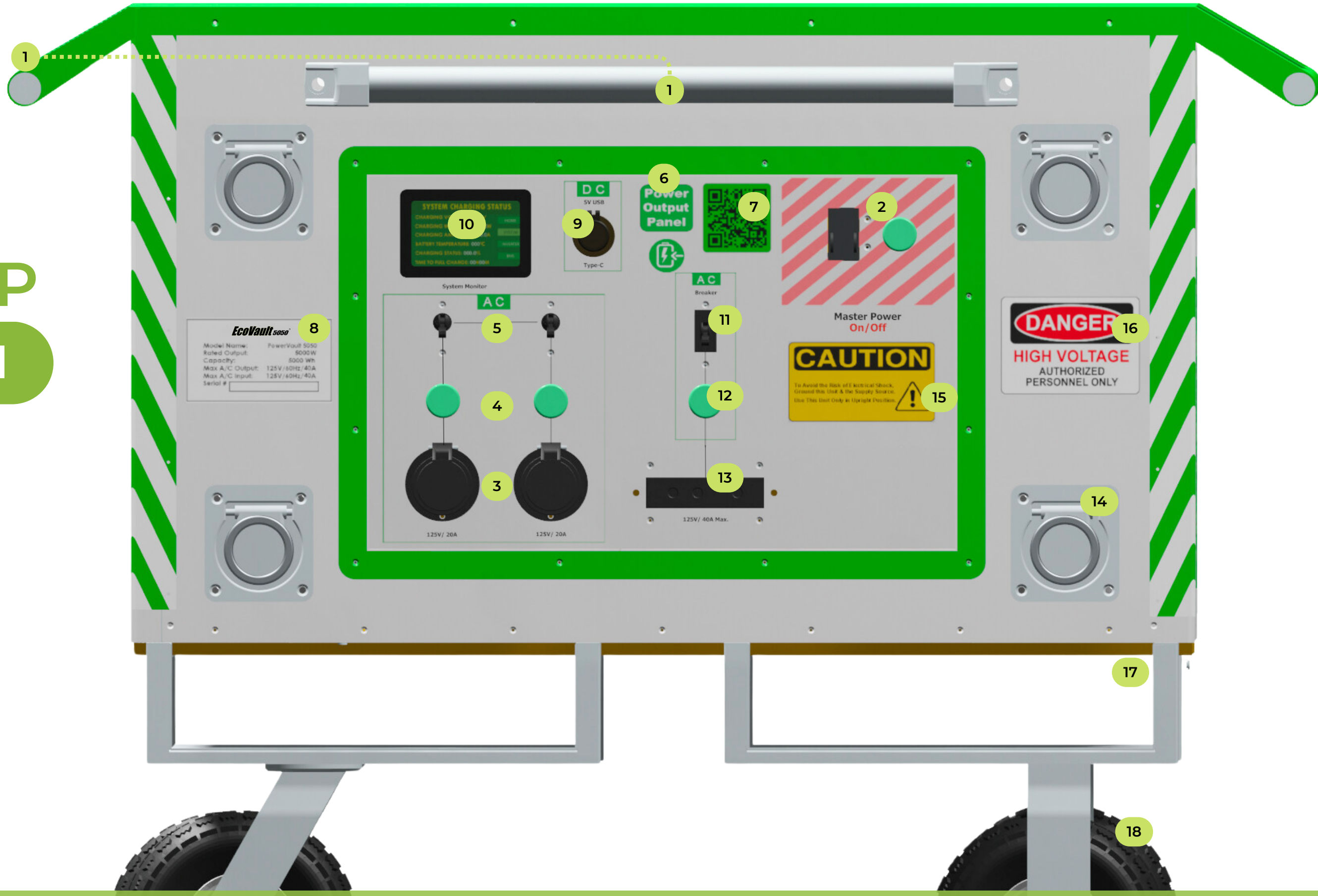
Specifications

EcoVault 5050SP

EcoVault 5050CL

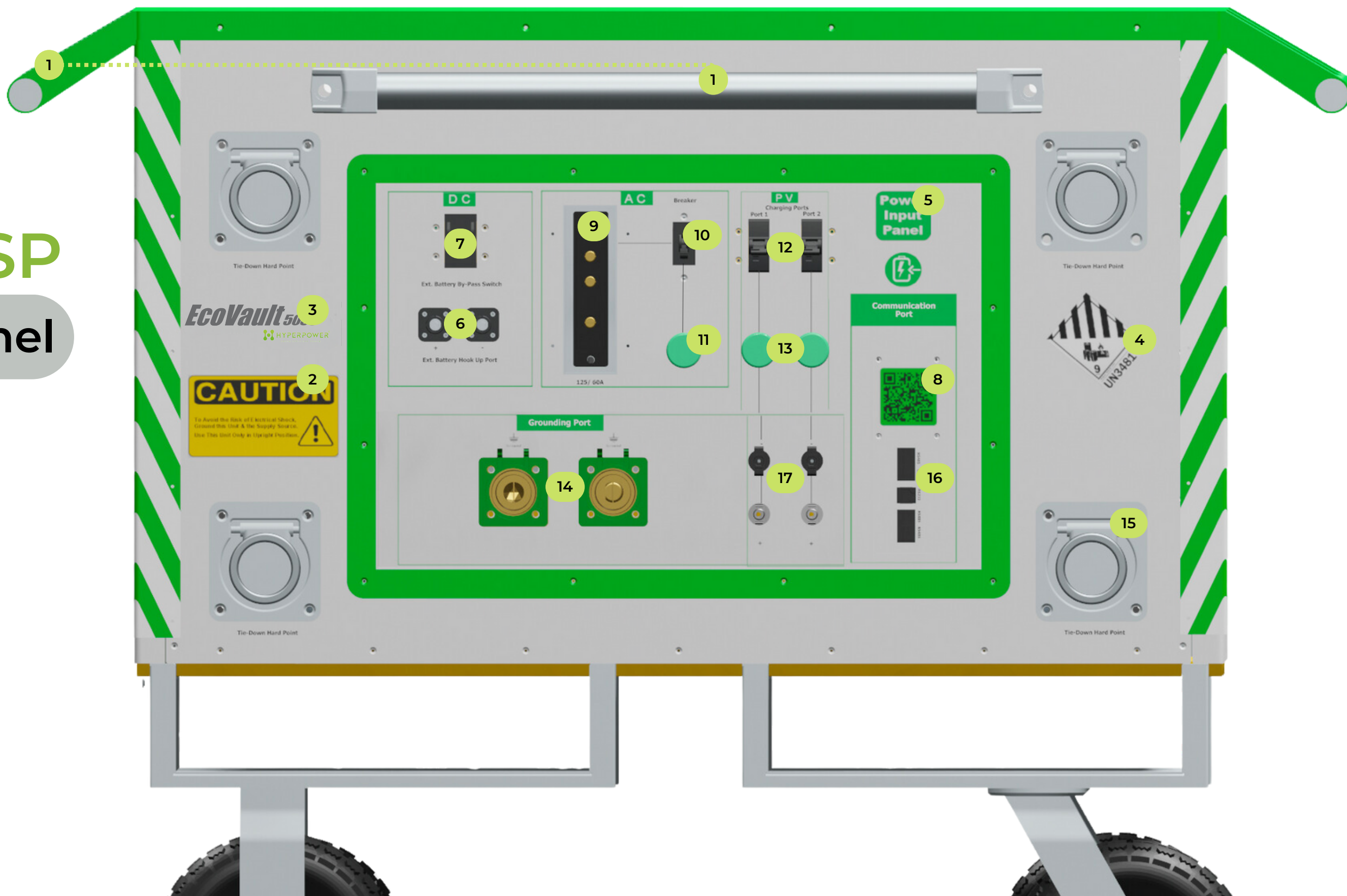
Battery Specification	Chemistry: Lithium-ion (LiFePO4) Capacity: 5kWh Lifecycles: >3000cycles charges to 80% capacity	
Rated Output	Power Rating: 5kW Inverter, Continuous Output: 5kW (Max. Surge Rating: 10.2kW, Peak Power: 10kW)	
Battery Capacity	5kWh can be augmented with an APU-10K, providing a 10KWh parallel linkage.	
AC Output	120VAC Pure Sine Wave 120V Single Phase, 42A Continuous	
Output Ports	AC Output 1: 1x 125VAC/40A Max. Stage Pin Receptacle AC Output 2: 2x 125VAC/20A Receptacles (NEMA 5-20R type) DC: 1x 5VDC/2.4A USB Port and 1x 5VDC/3A Type-C Port	AC Output 1: 1x 125VAC/40A Max. Camlock Receptacle (Ground, Neutral, Hot) AC Output 2: 2x 125VAC/20A Receptacles (NEMA 5-20R type) DC: 1x 5VDC/2.4A USB Port and 1x 5VDC/3A Type-C Port
Charging Ports	AC Charging 1: 1x 125VAC/60A Stage Pin Receptacle Solar Charging: 120V~450VDC (MPPT), using 220VDC, each channel Max. 9A, total of 2 channels Max. 18A.	AC Charging 1: 1x 125VAC/ 100A Camlock Receptacles (Ground, Neutral, Hot) Solar Charging: 120V~450VDC (MPPT), using 220VDC, each channel Max. 9A, total of 2 channels Max. 18A.
Charging Time	Solar Charging: 2.5 Hours Single Stage Pin Receptacle AC Charging: 2.5 Hours 1 AC Input + Solar Charging: 2.5 Hours Single Camlock Receptacle AC Charging: 2.5 Hours	
Operation Temperature	Operating Temperature (Discharging): <ul style="list-style-type: none"> ○ -20°C up to 55°C Operating Temperature (Charging): <ul style="list-style-type: none"> ○ -20°C up to 55°C 	
Chassis Mechanical Specification	A 2mm galvanized steel chassis, handlebars all around, and 8-inch heavy-duty pneumatic casters.	
Weight	120kg 264lbs	
Dimensions (L x W x H)	1115×690×905mm 43.9x27.2x35.6inch	
Protection	Overcharge/ Over-Discharge/ Short Circuit/ Overload/ Over-Voltage/ Over-Temperature/ Master On/Off/ Individual Breakers for Input/Outputs that can Reset	
Safety Certification	TBD	

**EV 5050SP
Output Panel**



- 1 Handlebars
- 2 Master Power (On/Off)
- 3 AC 125 V/ 20A Edison Port
- 4 AC 125 V/ 20A Edison Port Indicator Light
- 5 AC 125 V/ 20A Edison Port Breaker
- 6 Power Output Label
- 7 Product Support QR Code
- 8 Product Name Badge (EcoVault 5050)
- 9 5V USB Port and 5V Type-C
- 10 Touchscreen System Monitor
- 11 AC 125 V/ 40A Max. Port Breaker
- 12 AC 125 V/ 40A Max. Port Indicator Light
- 13 AC 125 V/ 40A Max. Stage Pin Receptacle
- 14 Tie-Down Points
- 15 Caution Label
- 16 Danger High Voltage Label
- 17 Forklift Entry Box
- 18 8-Inch Pneumatic Caster

**EV 5050SP
Charging Panel**



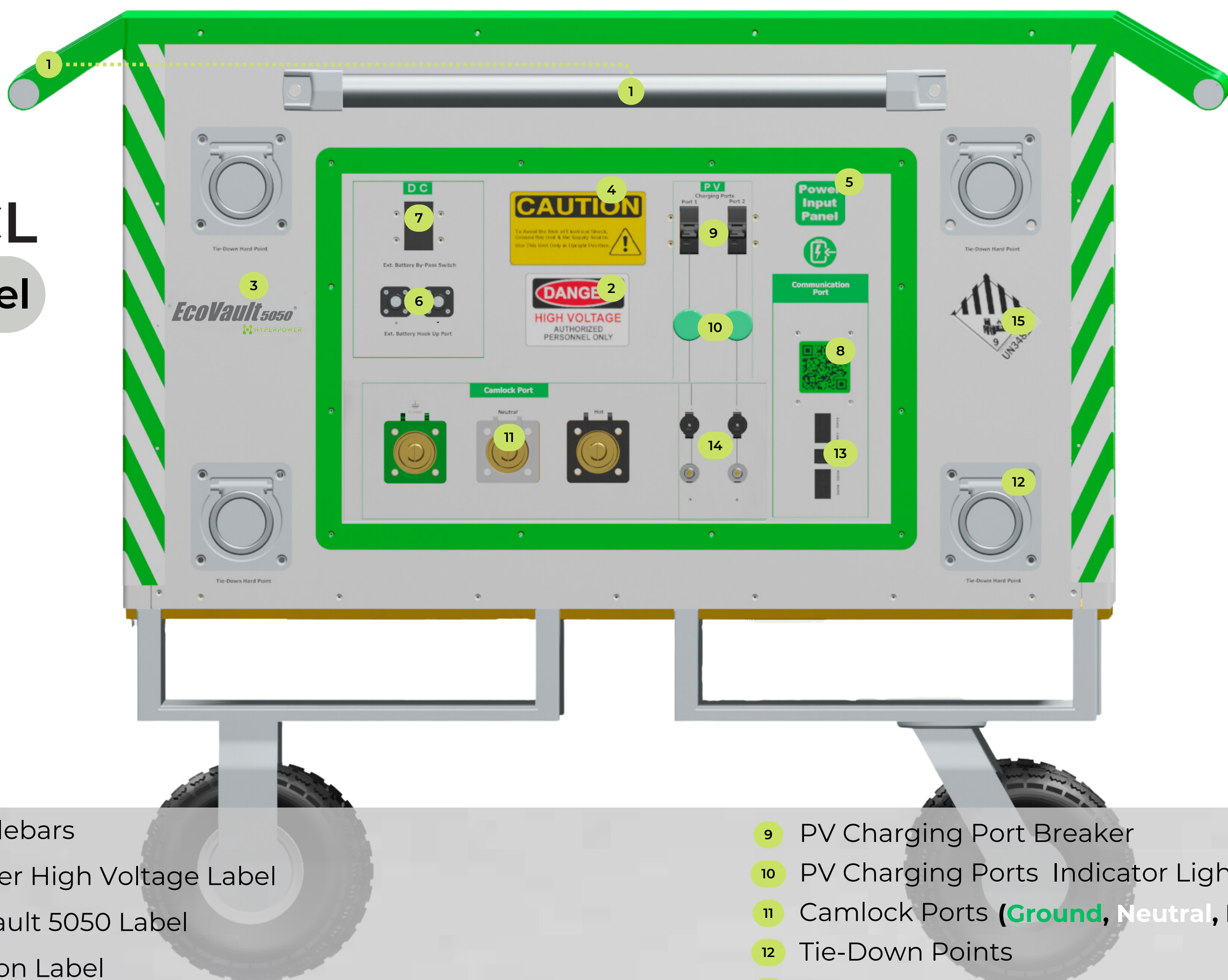
- 1 Handlebars
- 2 Caution Label
- 3 EcoVault 5050 Label
- 4 UN3481 Label
- 5 Power Input Label
- 6 DC External Battery Hook Up Port (SurLok Plus Connectors)
- 7 DC External Battery Bypass Switch
- 8 Product Support QR Code
- 9 AC 125/60A Stage Pin Port
- 10 AC 125/60A Stage Pin Breaker
- 11 AC 125/60A Stage Pin Indicator Light
- 12 PV Charging Port Breaker
- 13 PV Charging Ports Indicator Light
- 14 Grounding Port Male and Female
- 15 Tie-Down Points
- 16 RS485, CAN, RS232, RS485 Communication Ports
- 17 PV Charging Ports

**EV 5050CL
Output Panel**



- 1 Handlebars
- 2 Master Power (On/Off)
- 3 AC 125 V/ 20A Edison Port
- 4 AC 125 V/ 20A Edison Port Indicator Light
- 5 AC 125 V/ 20A Edison Port Breaker
- 6 Power Output Label
- 7 Camlock Ports (**Ground, Neutral, Hot**)
- 8 Product Support QR Code
- 9 Product Name Badge (EcoVault 5050)
- 10 5V USB Port and 5V Type C Port
- 11 Touchscreen System Monitor
- 12 Camlock Port Breaker
- 13 Camlock Port Indicator Light
- 14 Tie-Down Points
- 15 Caution Label
- 16 Danger High Voltage Label
- 17 Forklift Entry Box
- 18 8-Inch Pneumatic Caster

**EV 5050CL
Charging Panel**



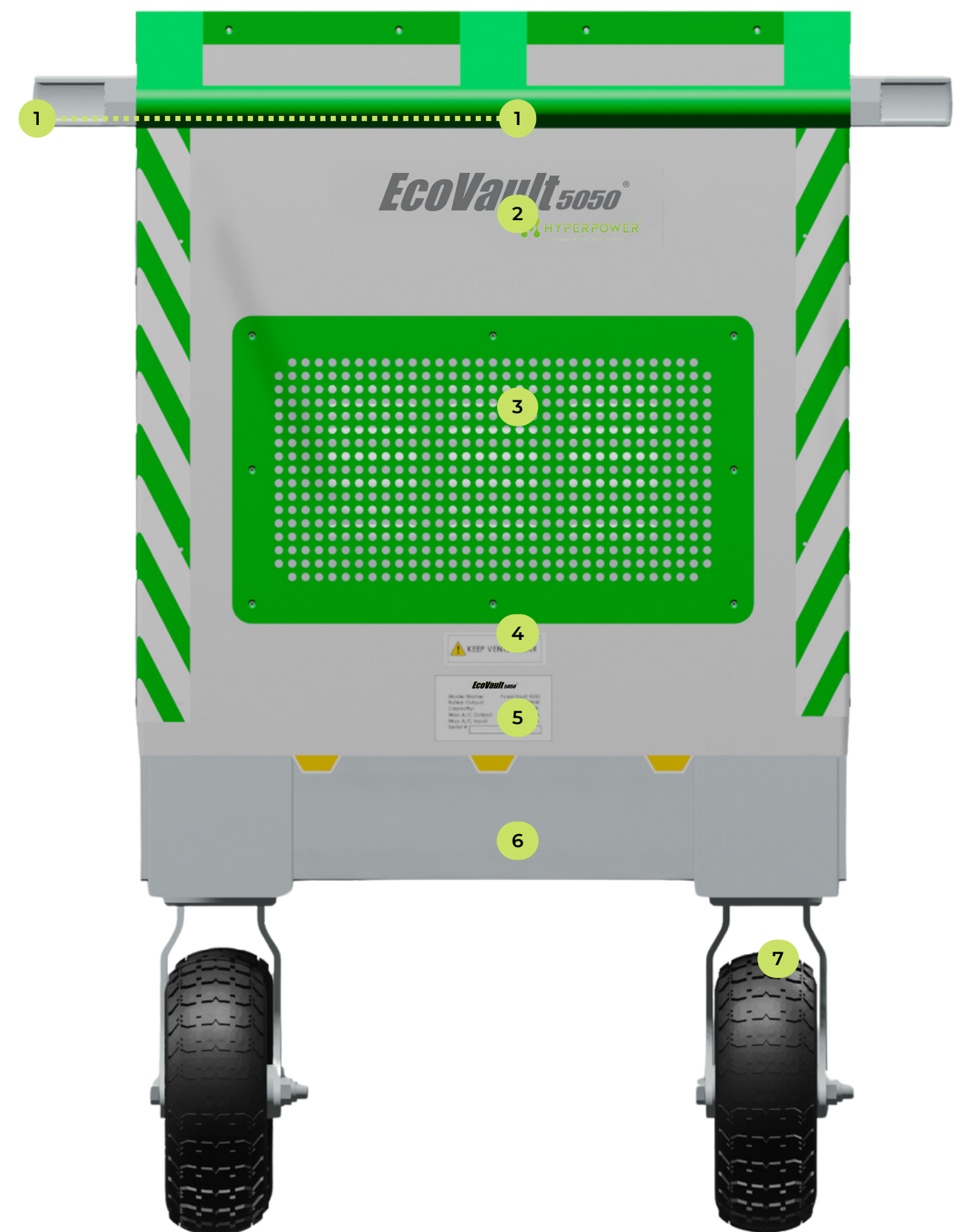
- 1 Handlebars
- 2 Danger High Voltage Label
- 3 EcoVault 5050 Label
- 4 Caution Label
- 5 Power Input Label
- 6 DC External Battery Hook Up Port (SurLok Plus Connectors)
- 7 DC External Battery Bypass Switch
- 8 Product Support QR Code
- 9 PV Charging Port Breaker
- 10 PV Charging Ports Indicator Light
- 11 Camlock Ports (**Ground, Neutral, Hot**)
- 12 Tie-Down Points
- 13 RS485, CAN, RS232, RS485 Communication Ports
- 14 PV Charging Ports
- 15 UN3481 Label

Left Side View



- 1 Handlebars
- 2 EcoVault 5050 Label
- 3 Fan Ports
- 4 Keep Vents Clear Label
- 5 Fork Lift Entry Box
- 6 8 Inch Pneumatic Caster

Right Side View



- 1 Handlebars
- 2 EcoVault 5050 Label
- 3 Louvers
- 4 Keep Vents Clear Label
- 5 Product Name Badge (EcoVault 5050)
- 6 Fork Lift Entry Box
- 7 8 Inch Pneumatic Caster

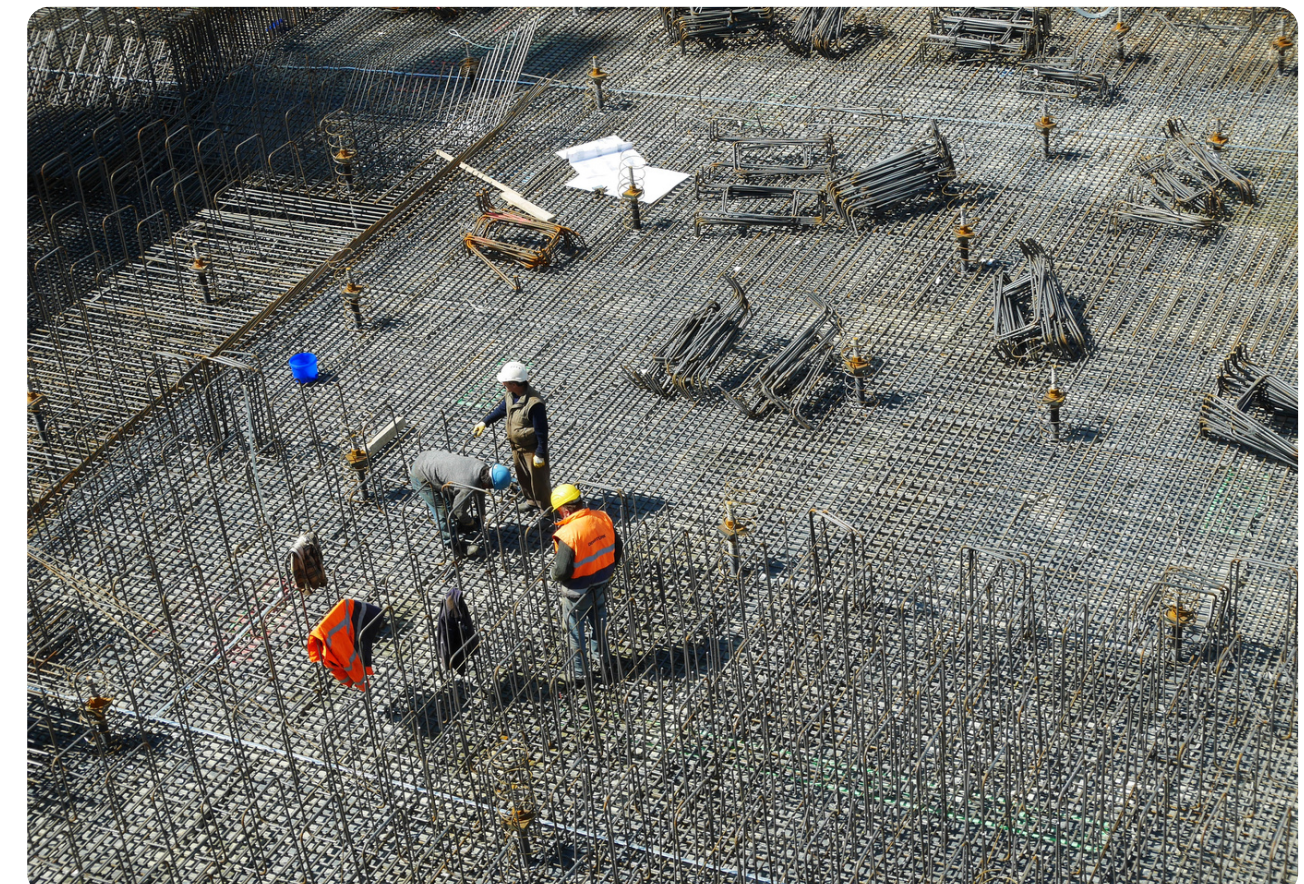
Applications



Film Locations



Entertainment Events



Construction Sites



EcoVault APU-10K[®]

Leading technology of portable power.



Experience a 10kWh portable power station with LiFePO₄ reliability, rapid charging, and over 2,500 lifecycles, designed for optimal performance in diverse conditions.

Features:

- 10kWh LiFePO₄ with >2500 cycles at 80% capacity
- Comes with two external 125VAC 10A charging adapters, both fitted with LP25/ 3-pin connectors.
- Fully charges in just 5 hours with a dual AC input.
- All-Terrain portability
- Eco-Conscious production
- 1-year warranty

Specifications

EcoVault APU-10K

Battery Specification	Chemistry: Lithium-ion (LiFePO4) Capacity: 10kWh Lifecycles: >2500cycles charges to 80% capacity
DC Output DC Output Ports	DC 120A DC 120A SurLok Plus Connectors
DC Charging Ports	DC Charging 1: 125VAC 10A with LP25/ 3-pin connector DC Charging 2: 125VAC 10A with LP25/ 3-pin connector
Unit Communication Ports	RS485/RS232/CAN
Charging Time	Dual DC Input Charging: 5 Hours
Operation Temperature	Charging: -20~55°C Discharging: -20~55°C
Weight	100kg 220lbs
Dimensions (L x W x H)	771×530×690mm 30.35×20.87×27.17inch
Chassis Mechanical Specification	A 2mm galvanized steel chassis, handlebars all around, and 8-inch heavy-duty pneumatic casters.
Protection	Overcharge/ Over-Discharge/ Short Circuit/ Overload/ Over-Voltage/ Over-Temperature/ Master On/Off/ Individual Breakers for Input/Outputs that can Reset
Safety Certification	TBD

External Layout



Front View

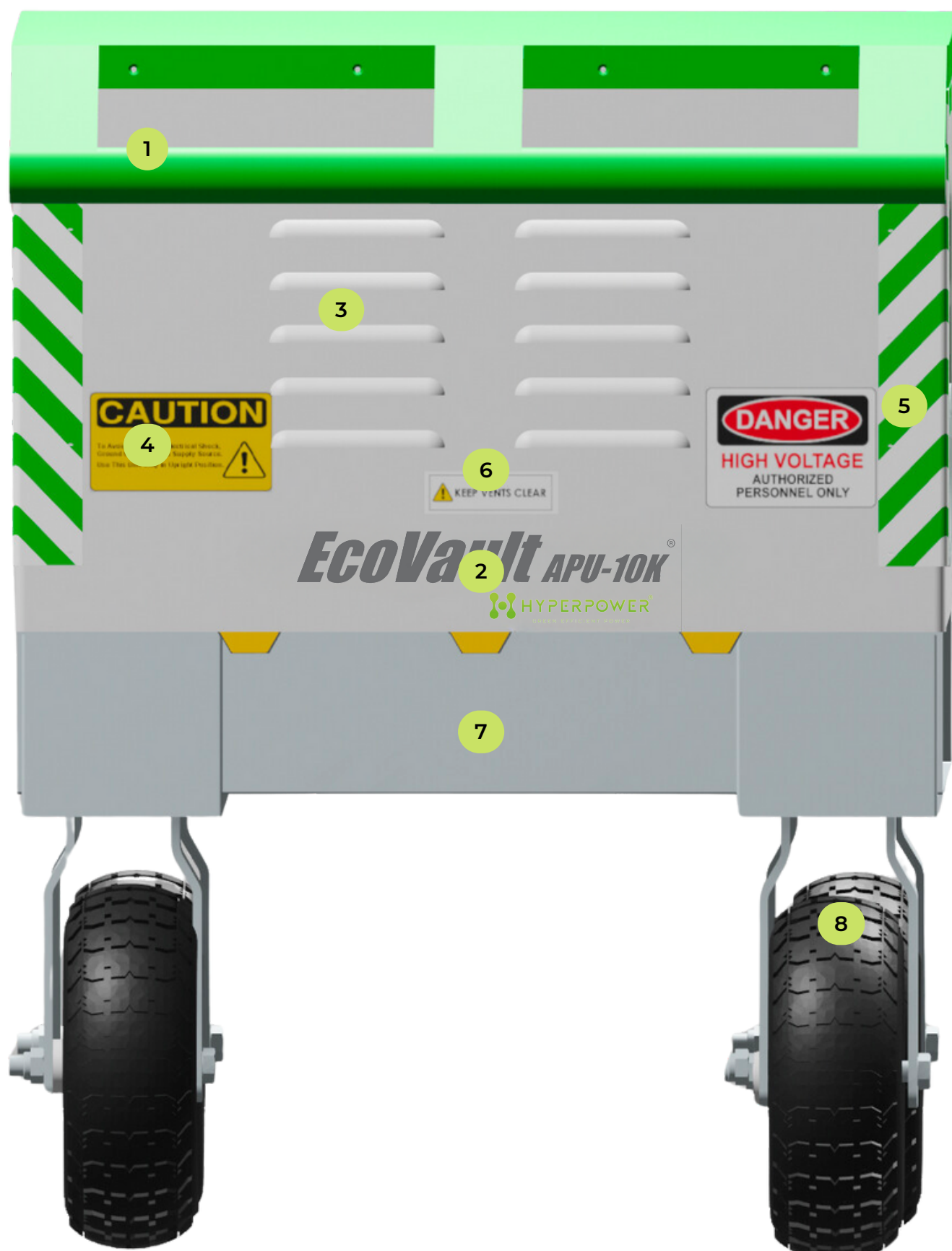
- 1 Master Power (On/Off)
- 2 Output Port
- 3 Charging Port
- 4 Battery Status, SOC, Reset, and DIP Switch
- 5 RS485, CAN, RS232, and RS485 Communication Port
- 6 Caution Label
- 7 Danger High Voltage Label
- 8 Tie-Down Points
- 9 Forklift Entry Box
- 10 8-Inch Pneumatic Caster
- 11 Product Support QR Code
- 12 Handlebars
- 13 EcoVault APU-10K Label



Back View

- 1 Handlebars
- 2 EcoVault APU-10K Label
- 3 UN3481 Label
- 4 Danger High Voltage Label
- 5 Tie-Down Points
- 6 Product Name Badge (EcoVault APU-10K)
- 7 Forklift Entry Box
- 8 8-Inch Pneumatic Caster

Left Side View



Right Side View



- 1 Handlebar
- 2 EcoVault APU-10K Label
- 3 Louvers
- 4 Caution Label
- 5 Danger High Voltage Label
- 6 Keep Vents Clear Label
- 7 Forklift Entry Box
- 8 8-Inch Pneumatic Caster

- 1 Handlebar
- 2 EcoVault APU-10K Label
- 3 Louvers
- 4 UN3481 Label
- 5 Danger High Voltage Label
- 6 Keep Vents Clear Label
- 7 Forklift Entry Box
- 8 8-Inch Pneumatic Caster

A 20-30KW Power Gas Generator and its downsides

- Limited Runtime requiring frequent refuelling
- Cost of Fuel
- Longer Start Up Time



- Fixed Power Capacity
- A Major Contributor to Carbon Footprint
- Limited Portability Options

With HyperPower, we provide solutions to address these problems

The EcoVault 5050 stands out as a superior generator, matching or even surpassing the capacity of traditional gas generators due to its exceptional scalability.



And experience uninterrupted power with 10KWh APU integration.



The **EcoVault 5050** and **EcoVault APU-10K** is scalable, eco-conscious, cost saving, power efficient, and easy to handle.

EcoVault 5050

EcoVault APU-10K

A game-changing solution for your power needs.



Traditional generators come with inherent limitations, including fixed scalability, environmental impact, downtime, and logistical challenges. With the **EcoVault 5050**, it is designed to address these drawbacks directly:

What **EcoVault 5050** & **EcoVault APU-10K** do differently:

1. Flexibility Redefined:

Say goodbye to big fixed power-rated gas generators. The EcoVault 5050 allows seamless augmentation of multiple units in 5kWh increment scalability to meet power demands.

2. Extending Battery Capacity with EcoVault APU-10K:

Break free from limited battery capacity. The EcoVault 5050, with the EcoVault APU-10K integration, achieves an extended battery capacity of 10kwh(increment), ensuring a robust and reliable power solution.

What **EcoVault 5050** & **EcoVault APU-10K** do differently:

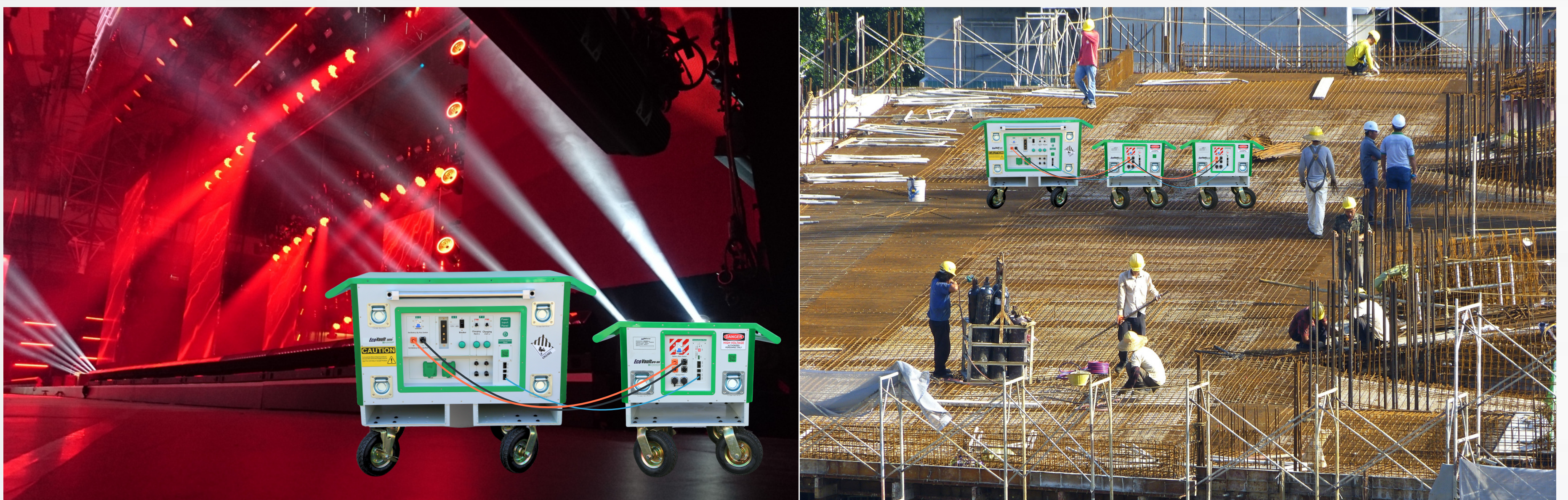
3. Eco-Conscious Innovation:

Go beyond conventional generators. The EV5050 is not just a powerhouse; it's an eco-friendly, electric marvel, aligning seamlessly with sustainable practices and reducing your carbon footprint.



4. Portability Perfected:

Eliminate logistical challenges and reduce costs. The EcoVault 5050's compact design ensures effortless transportation without the need for cumbersome trailers. With four 8-inch pneumatic casters and handles on all four sides, the EcoVault 5050 is designed for easy handling.



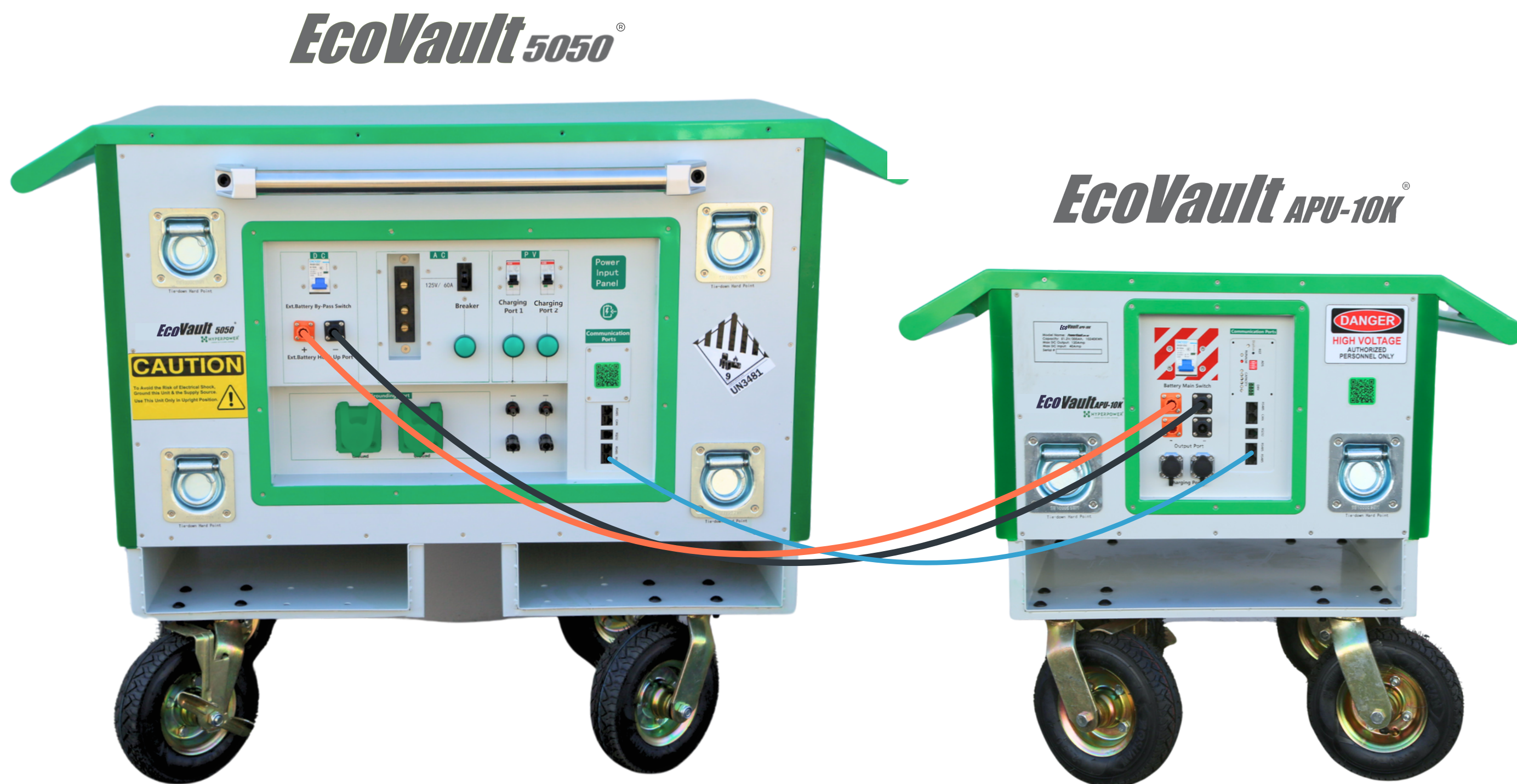
EcoVault 5050: A Strategic Shift in Power Dynamics

More than a product, the EcoVault 5050 is the solution to traditional generator shortcomings, ushering in a strategic shift in power dynamics.

Scalability Feature:

The scalability feature of the EcoVault 5050 and the EcoVault APU-10K offers two connection options based on space considerations:

EcoVault APU-10K Single Unit Connection



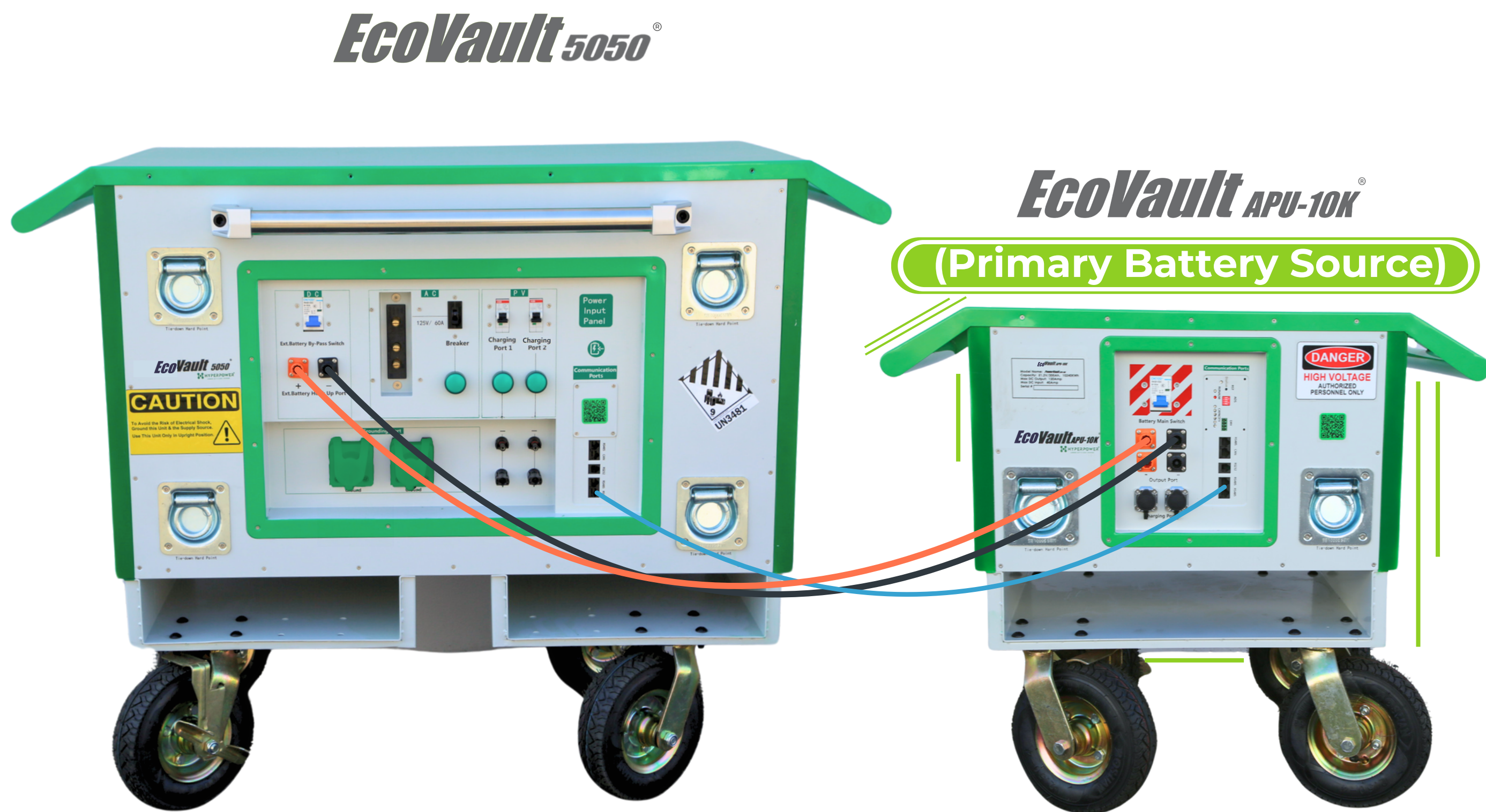
- This choice is made when there is insufficient space for multiple APU units.
- In instances of limited space, customers opt for a single APU-10K connection to fulfill their power requirements.

EcoVault APU-10K Multiple Unit Parallel Connection



- This configuration is ideal when there is ample space to accommodate multiple APU-10K units.
- Customers are encouraged to connect all available units before initiating operations, leveraging the scalability feature.
- Connecting multiple units not only meets varying power needs but also enhances overall power capacity and efficiency.

UPS Feature: How it Works



1. Default Priority:

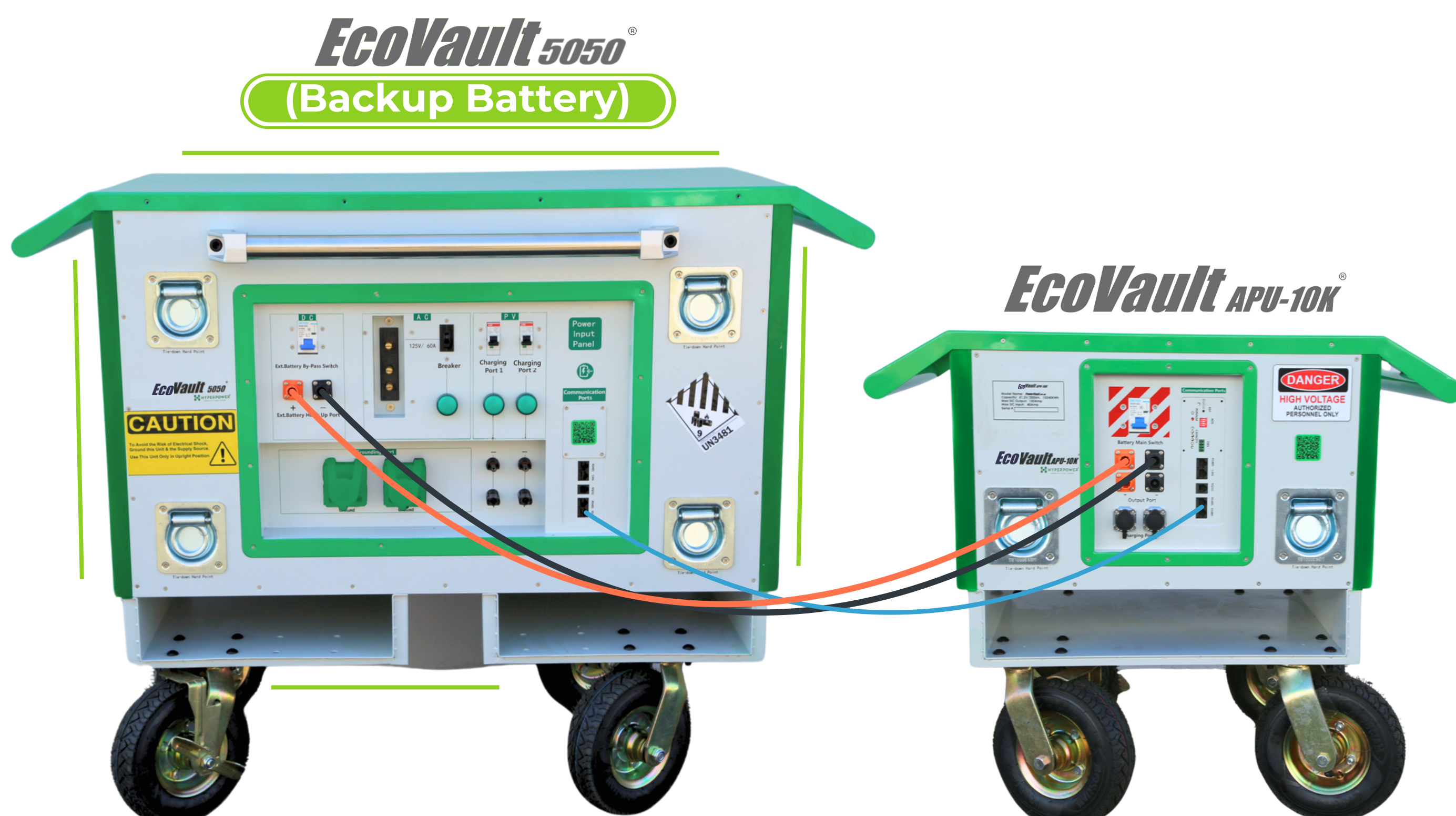
When EcoVault5050 and EcoVault APU-10k are connected and used together, the default priority is the use of the external battery (EcoVault APU 10k).

2. Power Flow:

- Initially, the power draws from EcoVault APU-10k (10k is the primary source).
- EcoVault 5050 (5kWh) acts as a backup in this combined mode.

3. UPS Function:

- If the EcoVault APU-10k depletes to the battery cut-off point, the UPS function in EcoVault 5050 activates.
- The power source switches to EV5050 (5kWh) as the backup.



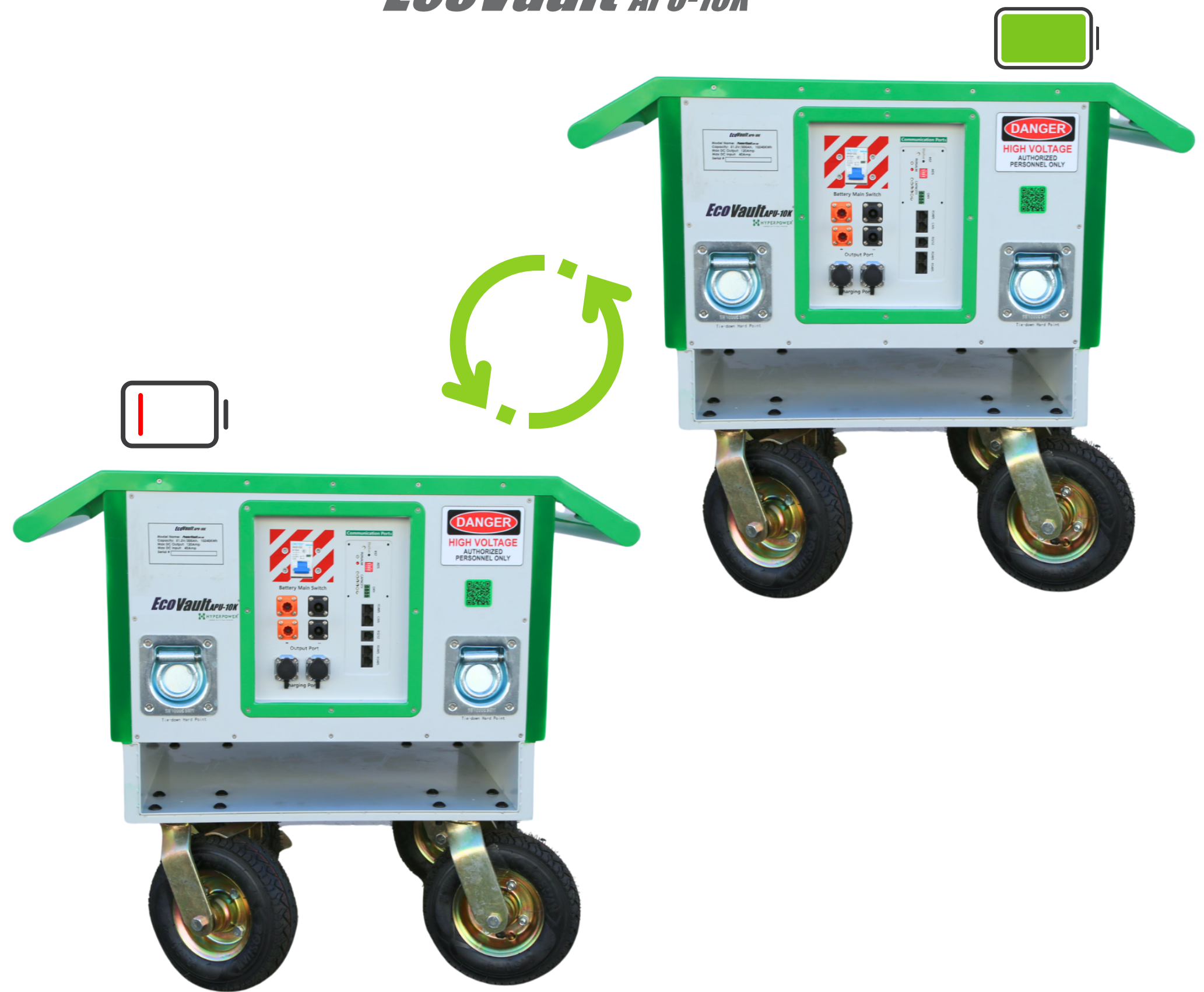
UPS Feature: How it Works

EcoVault 5050

(Backup Battery)



EcoVault APU-10K



4. Operator Action:

- The operator can disconnect EcoVault APU-10K.
- Connect a new EcoVault APU-10K unit.

EcoVault 5050

(Backup Battery)



EcoVault APU-10K

(Primary Battery Source)



5. Result:

- The backup power (EcoVault 5050) switches off when the new EcoVault APU-10K kicks in.
- EcoVault 5050 (5kWh) acts as a temporary backup during the replacement of the EcoVault APU-10K.

UPS Feature Uninterrupted Power Supply

EcoVault 5050

EcoVault APU-10K



The system prioritizes the larger battery (EV APU-10K), and when it depletes, the EV 5050 (5kWh) kicks in as a backup until a new EV APU-10K is connected and takes over. The UPS function ensures uninterrupted power during this transition.

UPC Code	SKU	Product Model	MSRP
810128903028	HP-PP-EV5050SP	HyperPower EcoVault 5050, 5.0kW, 5kWh, Portable Battery Power Station with Stage Pin System	\$18,112
810128903035	HP-PP-EV5050CL	HyperPower EcoVault 5050, 5.0kW, 5kWh, Portable Battery Power Station with Camlock System	\$18,112
UPC Code	SKU	Product Model	MSRP
810128903042	HP-PP-EVAPU10K	HyperPower EcoVault APU-10K, 10KWh, Portable Battery Storage System	\$12,074



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