

MADE FOR LIFE SAFETY.



CRUCIAL POWER PRODUCTS



Crucial Power provides a diverse range of advanced Inverter solutions, illuminating the path to safety with precision. Our innovative Inverters ensure uninterrupted power, supporting essential egress in various settings, from retail spaces and schools to hospitals and airports. With true sine wave output, compatibility across all lighting fixtures including LED lights, and advanced self-testing, our products epitomize quality and performance.

Trust Crucial Power for Life Safety solutions that inspires confidence in any environment!

PRODUCT FEATURES ///

- Listed to UL924, UL924A & UL1778 Standards
- 90-Minutes Full-Load Runtime
- Double Conversion Technology
- Pulse Width Modulated (PWM) Sinusoidal Waveform
- Microprocessor Control with Continuous Self-Diagnostics
- Advanced High-Frequency Technology for Various Lighting Types: Incandescent, HID, LED, HPS and Fluorescent
- 1-Year Factory Warranty with Extended Warranty Options
- Built-In Distribution w/ Normally ON or OFF Breakers (Optional)
- Remote Status Panel (Optional)
- Event Logging (Optional)
- Dry Contacts (Optional)
- RS232/485 Local Port (Optional)
- Global Monitoring System (GMS) for Local & Remote Monitoring (Web/SNMP) and Event Logging (Optional)
- Seismic Rated Brackets Zone 4 and Shaker Table Tested & OSHPD / HCAI Certified (Optional)
- High Temperature Batteries (Optional)
- Thermostat Controlled Heat Strips (Optional Harsh Environment UPS only)

APPLICATIONS ///

Retail Stores • Educational Institutions • Healthcare Facilities • Food Services • Financial Institutions • Entertainment Venues • Hospitality • Transportation Hubs • Critical Infrastructure Prisons • Military Bases • Commercial Centers • Shopping Malls • Manufacturing Plants • Storm Shelters • Parking Structures • ***Any Building with Elevators!***

COMPATIBLE WITH LED, HID, FLUORESCENT, INCANDESCENT, HALOGEN & HPS!

SINGLE PHASE ///

200W-17KW

THREE PHASE ///

8KW-400KW

LITE WAVE

200W, 300W, 490W **SINGLE PHASE**

Input: 120V or 277V Output: 120V or 277V
Cabinet: 24"W x 17"H x 9.5"D



INCREASED CAPACITY

ECONOSINE

500W to 2700W **SINGLE PHASE**

Input Volt: 120V or 277V Output Volt: 120V or 277V
Cabinet: 23.5"W x 34.5"H x 18.5"D



WAVE RIDER 1

2.1kW to 17kW **SINGLE PHASE**

Input Volt: 120V, 208V, 240V, 277V, 480V
Output Volt: 120V, 240V, 277V, 480V

Inverter Cabinets with 90 Minute Battery Runtime:
2.1kW - 8kW Cabinet: 39"W x 68"H x 18"D
10kW - 17kW Cabinet: 51"W x 70"H x 30.5"D



HARSH ENVIRONMENT UPS

2.1kW to 17kW **SINGLE PHASE**

Input: 120V - 480V / Output: 120V - 480V

- NEMA 3R Weatherproof Enclosure in Steel (standard) Anodized Aluminum or Stainless Steel (optional)
- Operational Temp: -40°C to 58°C (electronics only)
- Triple-lock Tamper-proof Design
- Safety Listing: UL924 Lighting, UL1778 UPS, CSA, CAN/CSA C22.2 No 107.3-05



OSHPD / HCAI CERTIFIED

SHAKER TABLE TESTED

WAVE RIDER 1 - 2.1KW TO 17KW

WAVE RIDER 3 - 8KW TO 50KW

WAVE RIDER 4 - 8KW TO 400KW **NEWLY ADDED**

- Wave Rider 1, 3, and 4 meets strict HCAI testing standards per ICC-ES-AC-156 (SDS: 3.0g). Compliant with CBC 2016, IBC 2015, and ICC-ES AC156 criteria.
- OSHPD / HCAI Certified Cabinets



SCAN TO WATCH SHAKER TEST VIDEO



www.crucialpower.com

WAVE RIDER 3

8kW to 50kW **THREE PHASE**

Input Volt: 480Y/277V or 208Y/120V
Output Volt: 480Y/277V or 208Y/120V
Inverter Cabinet: 39"W x 68"H x 18"D
Battery Cabinet: 51"W x 70"H x 30.5"D



NEW PRODUCT

WAVE RIDER 4

8kW to 400kW **THREE PHASE**

Input Volt: 480Y/277V or 208Y/120V
Output Volt: 480Y/277V or 208Y/120V

*Cabinet Sizes Will Vary



WAVE RIDER ASCENT

- Elevator Backup
- Utilizes Regen Power to Charge Batteries and Extend Backup Time
- 24/7 Local & Remote Monitoring
- Compatible with EM Lighting (optional)

NEW PRODUCT

ELEVATOR BACKUP SYSTEM

WAVE RIDER ASCENT

8kW to 400kW



ELEVATOR EMERGENCY BACKUP POWER

IBC & IFC: Elevators Are Part of Emergency Evacuation & Life Safety and Requires 2 Hours of Emergency Backup

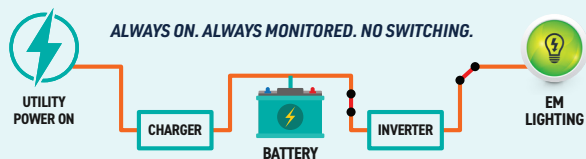
Discover Crucial Power's innovative backup inverter system for elevators. Revolutionize emergency preparedness, eliminate costly generators/ATS switches, and embrace regenerative power to charge batteries, extending backup time! Enjoy continuous power, eco-friendliness, space and cost savings!

- ⚡ 24/7 Local & Remote Status Monitoring
- ⚡ Automatic Self-Testing (Monthly/Weekly/Yearly)
- ⚡ Combine the Features of a Generator, ATS and Resistor Bank into One Simple Solution
- ⚡ Reduce Footprint Save on Cost & Maintenance
- ⚡ Eco-Friendly and Renewable Power Solution
- ⚡ Compatible with Regen and Non-Regen Elevators.
- ⚡ Use Regenerative Power from Elevators to Charge Batteries and Extend Backup Time
- ⚡ Ability to combine with Emergency Lighting (optional)

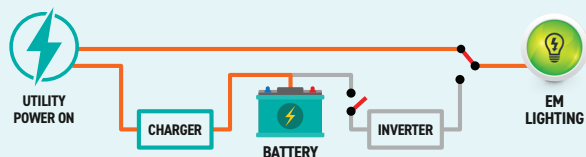


USE REGENERATIVE POWER FROM ELEVATORS TO CHARGE BATTERIES & EXTEND BACKUP TIME!

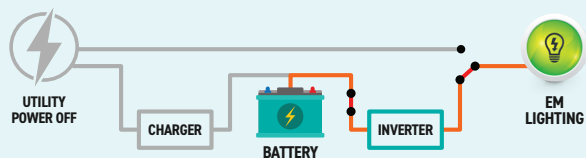
ONLINE SYSTEM



OFFLINE / FAST TRANSFER



EMERGENCY MODE



MONITORING SYSTEMS (OPTIONAL) ///

GLOBAL MONITORING SYSTEM

- **Local Monitoring:** Unit status, event logs, and test results locally (RS232/485).
- **Basic (LAN) SNMP:** Enables local and remote monitoring with email notifications.
- **Advanced (LAN) GPRS Modem and/or WiFi:** Provides remote monitoring with email and text notifications for status, event log and test reports.
- **Dry Contacts:** To interface with Fire Alarm and BMS Systems.



BATTERY SENTINEL

Efficiently measure and record individual or string battery voltage and current wirelessly. Track cabinet temperature, battery impedance, and ohmic value. Tailor measurement intervals to your needs – by seconds, hours, or days.



CRUCIAL POWER PRODUCTS

WHEN THE LIGHTS GO OUT WE TURN ON!

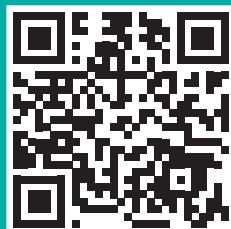
From retail spaces to critical infrastructure and elevators, our unwavering commitment to safety shines through in every solution!

Compliant with NFPA101 standards and engineered to meet the highest benchmarks of Life Safety equipment, our inverters ensure uninterrupted egress lighting, by reliably powering the illumination needed for safe evacuation during power outages. We're excited to announce that we also offer backup power for elevators that meet Life Safety requirements eliminating the need for a Generator and Automatic Transfer Switch saving you space and money with one simple solution. With Crucial Power, rest assured that your safety is backed by unwavering excellence and a commitment to safeguarding lives.

800.244.4069

www.crucialpower.com

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CRUCIAL POWER PRODUCTS

***ELEVATOR EMERGENCY
BACKUP COMBINED WITH
EMERGENCY LIGHTING**



NEW PRODUCT
**WAVE RIDER
ASCENT** 8kW to 400kW
ELEVATOR BACKUP



IBC/IFC: ELEVATORS ARE CATEGORIZED AS PART OF EMERGENCY EVACUATION & LIFE SAFETY AND 2 HOURS BACKUP IS REQUIRED.



UL924 | NFPA 101 | NEC 700/701 | OSHA | HCAI

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