

ZERO-GLITCH POWER MODULE

Never Lose a Second of Critical Up Time

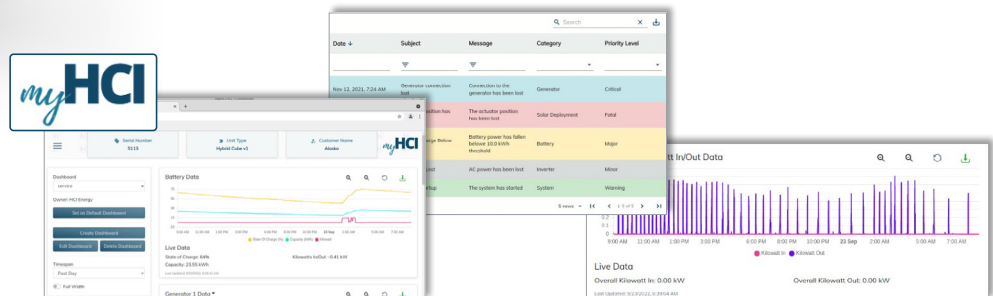


Go beyond traditional UPS capabilities with HCI Energy's Zero-glitch Power Module™ (ZPM). Battery-first architecture powered by Lithium-ion ensures optimized power delivery with maximum reliability, flexibility, and lower maintenance. Sustainable by design, the ZPM can integrate renewable sources of energy and is at the heart of every HCI Hybrid Power Shelter. It is also available as a stand-alone modern UPS/ battery backup system.

Beyond UPS Back-up

- ✓ Multiple inputs. Multiple outputs.
- ✓ Smart, battery-first technology.
- ✓ Ready for any grid type.
- ✓ No transfer switch. No single point of failure.
- ✓ Manages state-of-charge.
- ✓ Orchestrates and prioritizes energy sources.
- ✓ Autonomous operation.
- ✓ Operational visibility and control including monitoring of individual loads/tenants.
- ✓ Remote diagnostics, troubleshooting, and upgrades.
- ✓ Operable as a microgrid controller.

* To ensure that your microgrid project qualifies for the tax incentives, it's advisable to consult with a tax professional who can provide guidance on the specific requirements and procedures for claiming the incentives.



Smart, Modern Power Delivery and Management

The ZPM is integrated into every Hybrid Power Shelter and available as standalone backup power or as a microgrid controller.

Power Features

- Maintenance-free energy storage
- Highly versatile bidirectional AC ↔ DC power conversion
- Scalable and hot-swappable power conversion
- 15-year life expectancy of Lithium-ion energy storage
- Renewable-ready with solar and wind energy (see additional information)
- Comprehensive graphical view of the system configuration status and historical performance
- Bidirectional power converter (inverter/rectifier) N+1 or N+2 redundancy

Monitoring Features

- Total system control via touch screen interface
- Full monitoring and control of HCI Energy’s DC genset
- Eliminates ATS when using HCI Energy’s DC genset
- Remote visibility
- Reporting capabilities
- Historical data analysis

ZPM Specifications

Power Conversion Capacity (AC ↔ DC)	9kW (11 kW peak)**
Energy Storage	<p>Single rack, batteries mounted on ZPM Up to 42.75kWh</p> <p>Batteries mounted on separate Energy Storage Rack Up to 153.9kWh</p>
Emergency Depth of Discharge (DoD)	100%
Mappable Dry Contact Alarms	26
Dead Start Capability	AC or DC
Standard load	up to 18kW**
Dimensions	19" x 24" x 84"
Weight	850lbs. (386kg.)

** Expandable



Learn more.
hcienergy.com/our-products-zpm



HCI Energy provides continuous, turnkey, eco-friendly power for critical missions around the world. We combine the latest in power technology and renewable sources to ensure round-the-clock, uninterrupted power that lowers operational cost while facilitating crucial business and community operations. © 2023 HCI Energy. All rights reserved.