

HYBRID POWER SHELTER

Smart, Turnkey Power When and Where you Need it Most

With HCI's Zero-glitch Power Module™ (ZPM) at its core, the Hybrid Power Shelter™ delivers ultra-reliable power when you need it most. Whether on- or off-grid, the Hybrid Power Shelter uses multiple energy sources to keep its lithium-ion energy storage at an optimal charge.

A Turnkey Powerhouse

- ✓ **Ready.** Self-contained and pre-configured.
- ✓ **Reliable.** Uninterrupted power, real-time power management, remote monitoring.
- ✓ **Renewable.** Solar and wind integrations. Supports ESG mandates.
- ✓ **Efficient.** Accelerated deployment time. Lowered cost.
- ✓ **Proven.** Tested and debugged before delivery.
- ✓ **Rugged.** Climate-controlled. Engineered for harsh climates.
- ✓ **Flexible.** Multiple outputs. Room for customer equipment.
- ✓ **Different power configurations** for different needs.
- ✓ **ZPM integrated into every Hybrid Power Shelter.** Multiple input, multiple output.



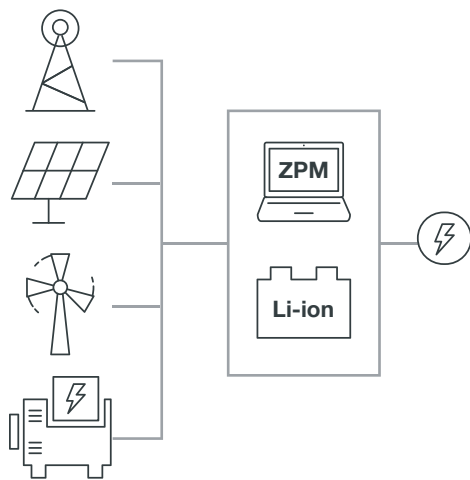
* To ensure that your microgrid project qualifies for the tax incentives, it's advisable to consult with a tax professional who can provide guidance on the specific requirements and procedures for claiming the incentives.

Delivered Ready to Deploy ANYWHERE

HCI Energy’s Hybrid Power Shelter — integrated with the ZPM and optional renewables — is a turnkey powerhouse that incorporates everything necessary to bring continuous, reliable power to even the most remote and rugged locations.

- Available in 8’ x 10’ or 8’ x 20’ turnkey shelter
- Integrated ZPM
(see additional information)
- Smart energy storage
- DC generator
- 19” racks for end-user equipment
- Dual HVAC
- Renewable-ready with solar and wind energy
(see additional information)
- Standard load: up to 18kW**
- Energy storage: up to 171kWh
- ISO compliant
- Diesel or propane

INPUTS



OUTPUT



ADDITIONAL OUTPUTS

- DC VOLTAGE
-48 | +48 | 36 | 24 | 12
- AC VOLTAGE
120 | 240 | 208 | 3 Phase

Configuration 1: Grid-tied

Provides infinite backup with ongoing energy savings.

Smart energy storage	42.75kWh***
DC generator	250A DC (diesel or propane)
Shelter-mount solar	3kW

Configuration 2: Off-grid

Estimated fuel savings**	70-90%
Smart energy storage	Up to 171kWh
DC generator	400A (diesel or propane)
Solar	<p>8' x 10' Shelter 16kW (3kW shelter-mount with 13.5kW ground-mounted solar)</p> <p>8' x 20' Shelter 27.5kW (4.74kW shelter-mount with 22.75kW ground-mount solar)</p>
Wind turbine (optional)	2.3kW

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**

** Estimated based on 4kW load and solar production. Location: Kansas City

*** Expandable



Learn more.
hcienergy.com/our-products/hybrid-power-shelter



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. © 2024 HCI Energy. All rights reserved.