

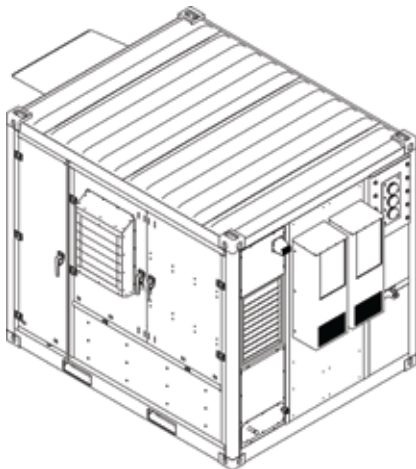
25.5"L x 84"H x 19"W

ZPM

The ZPM (Zero-glitch Power Module) is the heart of HCI Energy's Hybrid Power technology. Its intelligent control system orchestrates energy sources (grid, local generation, wind and solar) to manage state of charge of smart Lithium-ion energy storage. Includes remote control and remote analytics.

- Comprehensive graphical view of the system configuration status and historical performance.
- Bi-directional power converter (inverter/rectifier) N+1 or N+2 redundancy.

Serviceable Load: 1 kW to 100 kW
Energy Storage: greater than 200 Ah



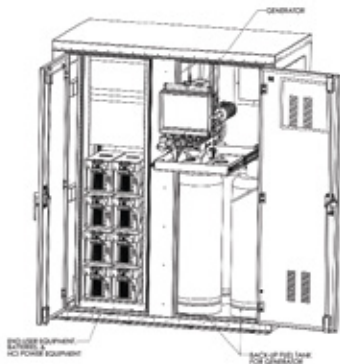
10'L x 8'W x 8'-6"H

HYBRID POWER SHELTER

Delivers efficient, ultra-reliable power, on- or off-grid. This turnkey solution can integrate wind, solar, batteries and DC gensets within a climate-controlled end-user space. Each shelter is custom manufactured and structurally engineered to conform to ISO container dimensions for easy shipping, installation, deployment and manufacturing.

- ZPM
- DC Genset
- End-User Equipment Racks
- Dual HVAC

Serviceable Load: 5 kW to 20 kW
Energy Storage: greater than 200 Ah



72'L x 38'W x 85'H

HYBRID POWER CABINET

The cabinet houses a DC genset, fuel tank, smart Lithium-ion batteries, ZPM intelligent control system and 1/2 bay for end user equipment.

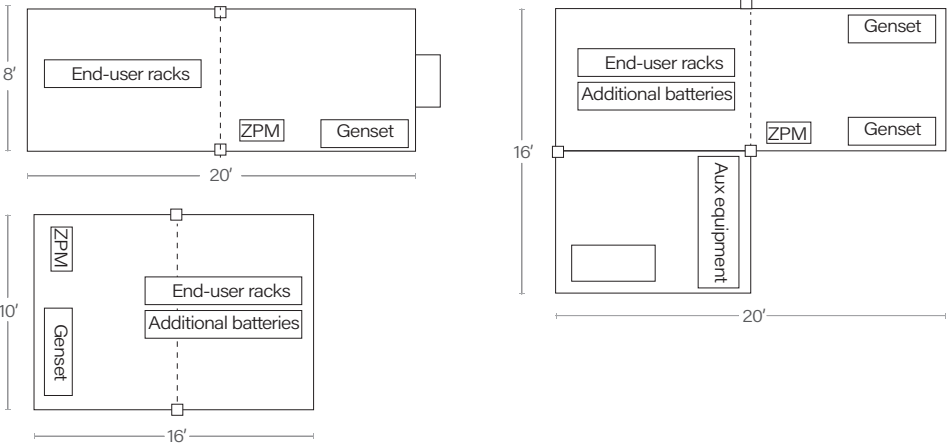
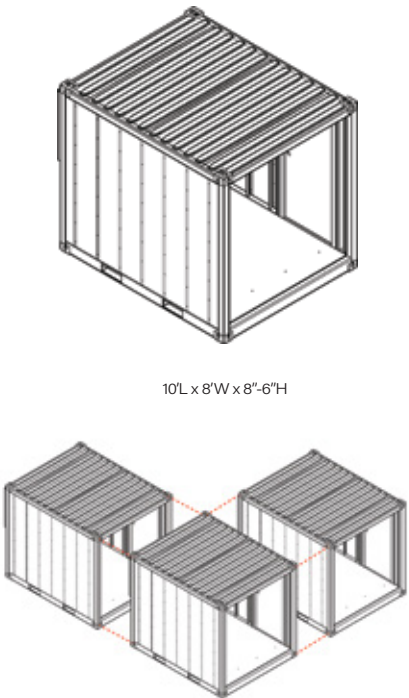
- ZPM
- DC Genset
- End User Equipment Rack
- Dual HVAC

Serviceable Load: 1 kW to 3 kW
Energy Storage: 100Ah to 600Ah

MODULAR EXPANSION SHELTER

The Modular Expansion Shelter provides additional space for various configurations. Based on the site requirements the Expansion Shelter can be added to the base model 8' x 10' Hybrid Power Shelter to accommodate additional battery storage, end-user equipment racks or alternate uses such as freezers or office space.

Configuration Examples



SOLAR PANEL OPTION

Available for 8'x10', 8'x20' Hybrid Power Shelter, Hybrid Cabinet and off board

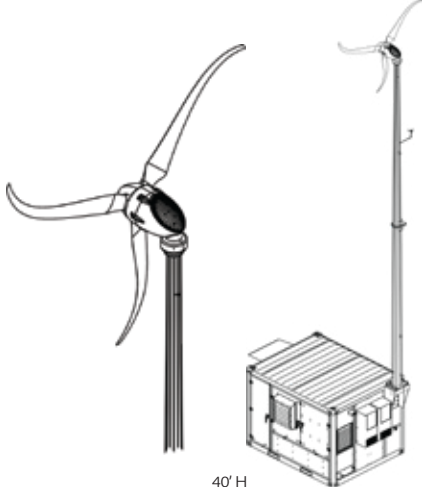
The solar panel option provides additional hybrid energy to offset use of the DC genset. The solar panel option is engineered for transport and quick deployment. Stand alone solar panels are also available for off board use typically required for off-grid sites. Each array includes built in charge controller and smart controls.

Peak Power: 3.6kW per 8 panels



WIND TURBINE OPTION

Wind generated power with compartmentalized controls for power and energy storage. Attached to rigid a tower deployed at a height of 50' when mounted to the Hybrid Power Shelter.



TOWER ONLY OPTION

The 40' Tower is also available stand alone to accommodate customer antennas, microwave antennas, cameras or 5G installations. The tower can also be mounted on a pier or helical screw.