

# CUB<sup>TM</sup> 2.0

## CONTAINERIZED UNIVERSAL BATTERY



At Canadian Energy, we are constantly innovating and improving. Designed and manufactured in Canada, the newest version of our Containerized Universal Battery is an improved solution to power and empower even the most remote and isolated communities.

### ADVANTAGES OVER CUB 1.0

- Larger & redesigned 20' container
- Turnkey system is easier to install and service
- Increased storage capacity with lithium batteries
- Manages power flow and stores energy within a single insulated and serviceable shipping container



We think it is time for a change to the current system. Remote communities need to be able to generate their own energy in a way that not only unburdens them from the cost and dependence brought on by diesel generators, but will also help preserve the environment they live in.

As costs in renewable energy continue to decrease, we have reached a point where this is no longer a nice idea for the future. This is a reality for today.

This is why we created the CUB 2.0.

### 2016 CANSIA GAME-CHANGER AWARD

Solar PV project  
of the year in  
partnership with  
Solarship.



# CANADIAN INNOVATION AND DESIGN TO HELP POWER AND EMPOWER COMMUNITIES EVERYWHERE.

	SPECIFICATIONS
EXTERIOR DIMENSIONS	<ul style="list-style-type: none"> <li>Length 20 ft x Width 8 ft x Height 8 ft 6 in (up to 22ft length with HVAC)</li> </ul>
INTERIOR CLIMATE CONTROLS	<ul style="list-style-type: none"> <li>Fully automated heating, ventilation, and air conditioning</li> <li>Interior fully insulated to R20 value</li> </ul>
POWER I/O VOLTAGE	<ul style="list-style-type: none"> <li>Compatible with many worldwide single and three phase systems</li> </ul>
CONTINUOUS POWER RATINGS	<ul style="list-style-type: none"> <li>54 kW at 120/208 VAC 3 Phase</li> </ul>
AVAILABLE BATTERIES	<ul style="list-style-type: none"> <li>Tubular Flooded or Tubular Gel, Lithium</li> </ul>
ENERGY STORAGE	<ul style="list-style-type: none"> <li>270 kWhr energy storage capacity at 1C rate, 100% usable energy, utilizing Lithium Nanophosphate Technology</li> </ul>
BATTERY CYCLE LIFE	<ul style="list-style-type: none"> <li>Capable of more than 5000 cycles at 1C rate and 23°C</li> </ul>
MAX DC COUPLED SOLAR	<ul style="list-style-type: none"> <li>Can connect more than 75 kW solar PV at 600 VDC max</li> </ul>
AMBIENT OPERATING TEMPERATURES	<ul style="list-style-type: none"> <li>-40° C to +50° C</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>Cloud Energy Network™ architecture allows multiple containers to be connected together and operate as one</li> <li>On board battery management system ensures safe and efficient operation of batteries</li> <li>Built in wireless modem enables remote diagnostics, monitoring, controls, and data logging</li> <li>Connectivity and customizable controls over Modbus RS485</li> <li>Automated generator controls</li> <li>Modular architecture, easy to repair and service</li> <li>Built in fire suppression system</li> <li>Compliant with UL 1741, CSA22.2, UN38.3</li> <li>External access panels for simplified installation</li> </ul>

Note: All features and specifications are customizable to application requirements. Ask for details.

UTILIZES TECHNOLOGY BY:



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