

CONTAINERIZED UNIVERSAL BATTERY

Innovative Technology.
Proven Expertise.
Best in Class Solutions.



Discover[®]
Innovative Battery Solutions

Containerized Universal Battery

OVERVIEW

OFF-GRID, GRID SUPPORT, BACK-UP AND RENEWABLE ENERGY APPLICATIONS

Discover® Energy CUB is designed to endure the most extreme environments, and provide robust power and energy storage for off-grid, grid support, battery back up and renewable energy applications.

The Containerized Universal Battery (CUB) combines the best energy storage, power conversion and control systems into a standard 10, 20 or 40 foot shipping container. Our CloudEnergy Network™ architecture allows for any number of Energy Cells to be connected together, to support a wide range of power and energy storage requirements.

BENEFITS & FEATURES

- Cloud Energy Network™ architecture allows containers to be connected together and operate as one
- On board battery management system
- Remote diagnostics, monitoring, controls, and data logging
- Automated generator controls
- Modular architecture, easy to repair and service
- Grid-tie capable for selling excess energy back to grid

APPLICATIONS

- Power back-up for grid interruption
- Diesel off-set
- Off-grid energy storage
- Reduce grid consumption
- Community electrification

PROJECT APPLICATIONS



OFF-GRID SMART GENERATOR CONVERSION

- Generator is the prime power source
- The CUB allows generators to run less frequently and at optimal power, resulting in fuel savings and improved cycle life duration



OFF-GRID PRIME PV POWER

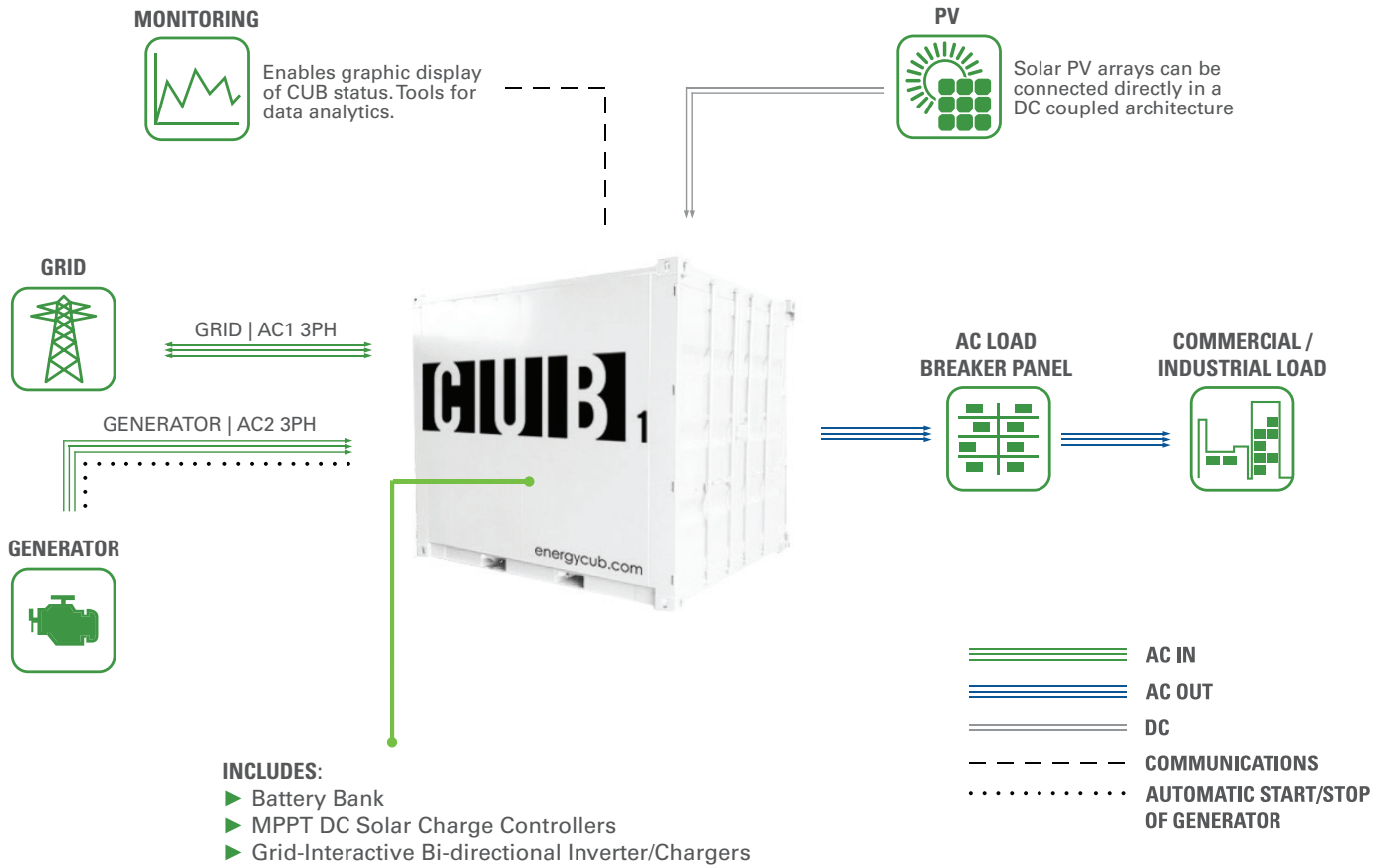
- Prime power source is PV, excess power is stored in batteries
- Generator acts as backup
- Up to 75% in fuel savings



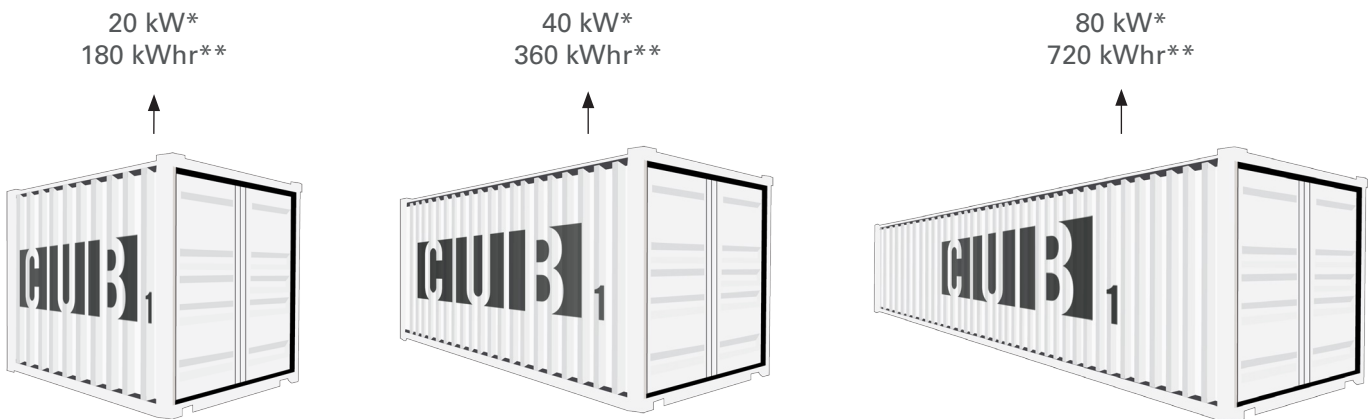
GRID SERVICES, BACKUP POWER & TELECOM

- Grid services including energy arbitrage, VAR support, renewable support and frequency regulation
- Backup power with and without grid-tied solar

ARCHITECTURE & INTERFACE



CLOUD ENERGY NETWORK™ ARCHITECTURE ALLOWS YOU TO COMBINE ENERGY CELLS FOR MORE POWER AND ENERGY



* AC Continuous Power Capability ** DC Energy Storage Capacity



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