



# Mackinlay Energy

## Outdoor Cabinet Battery Energy Storage System (BESS)



### Key Features

30KW and 100KW – 2 Hour Battery Storage (Battery-in a box) Solution

PV Enabled for plug in photovoltaic array

Transportable by road and sea fully assembled, plug and play.

Multiple safety protections on battery cell, module, rack and system level.

Internal Fire suppression System

Low Noise emissions <75bBA

Remote monitoring, diagnostics, support and control capability



## Applications

**Uninterruptible Power Supply (UPS)** – Provides seamless ride-through and power bridge

**Generator Hybridization** – *Every generator becomes a **Hybrid** generator.*

**Peak Shaving and Valley Filling** – *Demand side load management*

**Energy Arbitrage** – *Store energy from renewables and limits curtailment*

**Frequency & Voltage Regulation** – *Instantaneous response to grid instability, prevents blackouts & brownouts*

**Power Filtering** – Cleans dirty power and provides harmonic filtering

**Transmission & Distribution (T&D) Deferral** – Power line upgrades can be deferred or cancelled

**Electric Vehicle (EV) Charging** – Enable EV charging station location in weak electric grids

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