

GGI Container Specification – 500kW/1MWh system

Growing Greener Innovations is an award-winning Canadian energy technology company.

Based on our patented and proven battery technologies, we develop world-class energy storage solutions for residential, commercial, and military applications.

Our innovations reduce energy use, cut greenhouse gas emissions, and produce huge energy and costs savings.

1. System Specification

This GGI Smart BESS containerized system is designed to fit into 20' or 40' standard shipping containers. The 20' version hold 500kWh of power and the 40' hold 1 MWh of battery capacity.

The system consists of:

- multiple LiFePO4 batteries built into standard 19" server racks,
- a HVAC (Heating, Ventilation and Air Conditioning) system,
- a Fire Fighting system,
- an internal lighting system,
- a bi-directional Power Conversion System (PCS)
- an AC/DC distribution capability
- a Smart Switch (Smart Automatic Transfer Switch), used to manage the connections to and from the grids and renewables to the various loads (Micro-Grid)
- BMS/System Controller

