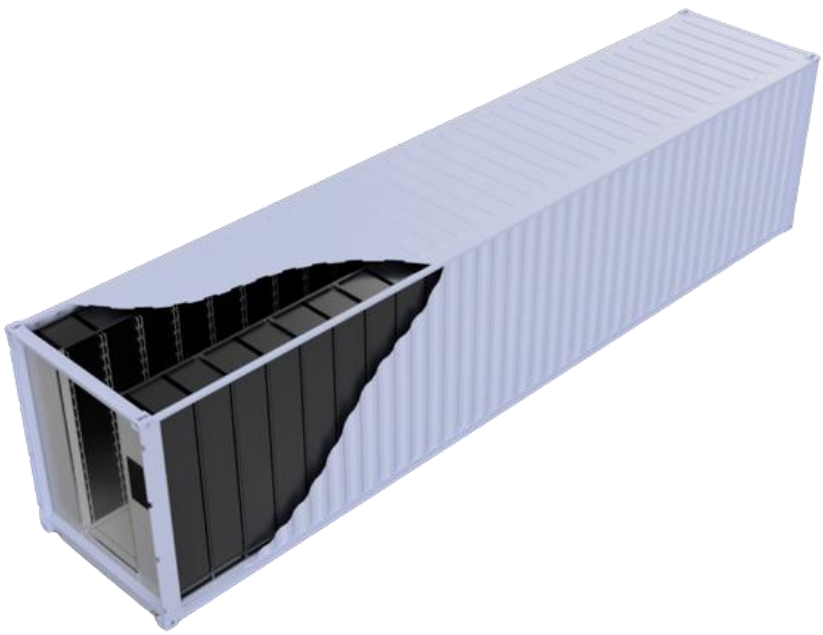
ME Graphene Container

Mint Energy's Graphene Container supplies an impressive 12-megawatt hours of power, enough power to meet the energy needs of 1,400 homes. The Graphene Container integrates to any source of power. The container stores large amounts of energy so that power can be accessed both day and night, regardless of weather conditions. The Graphene Container charges faster than other types of batteries. Programmable charging is possible.

- 12-Megawatt Hours of Power
- Touch and Go Charging
- Drop In Energy Storage Solution
- Integrates With Any Source of Power
- Silent Operation
- High Energy Density
- Environmentally Responsible Option
- Long Life Span – Up To Sixty Years
- Lower Cost Than Other Solutions
- Can Be Used in Freezing Temperatures
- Lower Fire Risk Than Lithium-Ion



MINT ENERGY

www.mintenergy.com

ME Graphene Container

UNIT SPECIFICATIONS

Total Rack Units	48	Max Surge Voltage	552.50 V
Rack Space Units	55	Max Continuous Voltage	546.00V
Rack Space Inches	96”	Min Voltage	416.00V
Banks Per Stack	15	Nominal Current A	11,520.00 ADC
Total Length of Rack Units	76 ft	Continuous Current A	23,040.00 ADC
Graphene Supercapacitor Battery Bank 7,800	720	Peak Current A	34,560.00 ADC
Battery Banks In Series	10	Total Cells Capacitance	1,572,480,000f
Battery Banks In Parallel	72	Total Capacitors	74,880
Nominal DC Input Voltage	480.0 VDC	Total Capacitance	93,046.25f
AC Output Phase	Split/Single	Estimated Run Time 100% Load	21,762 Minutes
AC Output Voltage (selectable)	120/240 (200-260) VAC	Estimated Run Time 50% Load	43,524 Minutes
AC Output Frequency (selectable)	60 (50) H_z	Estimated Run Time 10% Load	217,620 Minutes
Self-Usage Power Consumption	1,440.0 VA	Estimated VA Hours	5,616,000ADC
Nominal DC Input Voltage	480.0 VDC	Nominal Energy Rating	5,616.00 kVAh
AC Output Phase	Split/Single	Assumed Power Factor	0.80
AC Output Voltage (selectable)	120/240 (200-260) VAC	Estimated Energy Storage (Watt Hours)	4,492,800 Wh
AC Output Frequency (selectable)	60 (50) H_z	Estimated Energy Storage (Amp Hours)	10,800 Ah
Typical Efficiency	93%		
CEC Weighted Efficiency	92.5%		
Rated Voltage	520.0V		

FEATURES

40’ Container
Built-In Protections
Built-In Air Conditioning/Heating System(s)
Rapid Charge/Discharge Capabilities
Constant Current / Constant Voltage – Similar to Lithium-Ion

MINT ENERGY

www.mintenergy.com

DISCLAIMER