

About Us

Mint Energy develops energy generation and energy storage solutions to meet the ever-changing needs of modern-day consumers and businesses. Mint Energy strives to provide safe, environmentally-friendly, cost-effective, and reliable solutions.



201.6 KWh Rack Using 4.2KWh Modules

Graphene-based battery systems represent a groundbreaking frontier in energy storage technology. Graphene, a single layer of carbon atoms arranged in a hexagonal lattice, boasts a unique set of properties that make it a game-changer in the battery industry. Graphene's remarkable electrical conductivity and thermal efficiency enable these systems to deliver exceptional performance. These batteries have the potential to store and discharge energy at unprecedented rates, addressing the demand for quick-charging solutions in our increasingly digital world.

One of the most compelling aspects of graphene-based battery systems is their enhanced durability and safety. Graphene's exceptional heat dissipation properties make these batteries less prone to overheating and thermal runaway, which are common issues in traditional lithium-ion batteries. This not only ensures a longer lifespan for the batteries but also significantly reduces safety risks.

- **Includes (48) 4.2 Power Rack Modules**
- **Plug and Play Design**
- **Long lasting solution**
- **Quick charge/discharge**
- **Scalable solution**
- **Safer than lithium-ion**

Contact us



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SPECIFICATION	UNIT	VALUE
Battery Bank Levels Per Rack	-	12
Battery Bank Strings Per Rack	-	1.20
Total Battery Modules Per Rack	-	48
Total Capacitors	-	2,688
Total Cells Capacitance	f	56,448,000
Total Capacitance	f	6,000.00
Estimated VA Hours	VAh	201,600.00
Estimated VA Hours	kVAh	201.60
Estimated VA Hours	MVAh	0.20
Estimated Energy Storage (Watt Hours)	wh	201,600.00
Estimated Energy Storage (Kilowatt Hours)	kWh	201.60
Estimated Energy Storage (Megawatt Hours)	MWh	0.20
Estimated Energy Storage (Amp Hours)	Ah	389.19
Cycle Life	-	20,000
Operating Temperature Range	°F (°C)	-4 to 140 (-20 to 60)
Storage Temperature Range	°F (°C)	-4 to 131 (-20 to 55)
Protection Class	-	IP20

FEATURES

Lockable Rack Enclosure

Rapid Charge and Discharge Capabilities

Up To 10 Racks Can Be Chained to Operate in Parallel

Series Configurations Available with Custom Order



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