

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.



4P Cell Pack

Our 4P Graphene-Based Cell Packs are the cornerstone of our cutting-edge Graphene Modules, embodying a pinnacle of technological innovation in energy storage. Crafted with precision and utilizing the remarkable properties of graphene, these cell packs serve as the foundational building blocks for our Graphene-Based Energy Storage Systems.


Engineered for optimal performance, the 4P Cell Packs deliver unparalleled energy density and efficiency. Their design ensures a seamless integration process, allowing for the swift assembly of modules that harness the fast-charging capabilities and extended lifespan of graphene.

Why Graphene?

Unlike batteries which store energy chemically, The Mint Energy Graphene Supercapacitor stores energy electrostatically. The chemical reactions used to charge regular batteries work slowly and eventually cause the electrode materials to breakdown, our Supercapacitor is different. It can be recharged multiple times without wearing out.

- **Long lasting solution**
- **Quick charge/discharge**
- **Environmentally-friendly**
- **Scalable solution**
- **Safer than lithium-ion**

Contact us

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SPECIFICATION	UNIT	VALUE
Series Capacitors	-	1
Parallel Capacitors	-	4
Battery Banks in Parallel	-	1
Total Capacitors	-	4
Rated Voltage	V	3.70
Max Continuous Voltage	V	4.20
Max Surge Voltage	V	4.25
Min Voltage	V	2.80
Nominal Current	A	80.00
Continuous Current	A	160.00
Peak Current (5 sec)	A	240.00
Maximum Charging Current	A	225.00
Total Cells Capacitance	f	84,000
Total Capacitance	f	84,000
Estimated VA Hours	VAh	300.00
Nominal Energy Rating	kVAh	0.30
Estimated Energy Storage (Watt Hours)	wh	300
Estimated Energy Storage (Amp Hours)	Ah	81.08
Internal Resistance	mΩ	0.38
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



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