



Engineered Solutions: eGSE Lithium Power

One Platform. Multiple Configurations.

Purpose-built Lithium SAFEflex solutions for electric ground support equipment, including vehicle electrification, remanufacturing and lead-acid replacement applications.

Green Cubes combines flexible battery architecture with proven intelligent BMS to deliver application specific power solutions without the traditional cost and lead-time disadvantages of custom battery development.

Green Cubes Advantage



Custom by Design

Engineered around your vehicle's physical, electrical and operational requirements



Layered Protection

Proprietary battery management (BMS) with integrated hardware & software safeguards



Production-Ready Value

Tailored solutions with production-level pricing & standard lead times



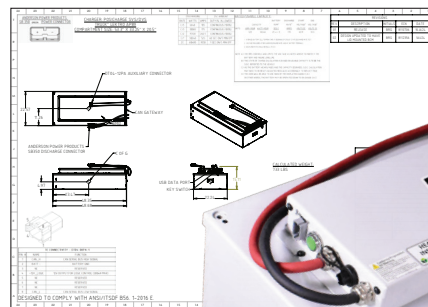
Less Maintenance

Eliminate routine lead-acid watering & associated maintenance requirements



5 Year Warranty

Long-term product confidence backed by Green Cubes



North American Support

Responsive regional technical & field service support



Re-Life Program

Update & recondition out-of-warranty assets, extending service life & 24 months of warranty

Specifications

		48V	60V	72V	80V	96V	96V
Nominal	Voltage	51.2 V	64 V	76.8 V	83.2 V	96V	102.4 V
	Capacity (max)	up to 1,050 Ah					
	Energy (max)	53.8 kWh	67.2 kWh	80.6 kWh	87.4 kWh	100.8 kWh	107.5 kWh
Operation	Voltage	48 - 56.8 V	60 - 71 V	72 - 85.2 V	78 - 92.3 V	90 - 106.5 V	96-113.6 V
	temperature	-4° F - 122° F (0° C - 55° C)					
	Charge Current (max continuous)	200-320 A					
	Discharge Current (max continuous)	200-320 A					
	Discharge Current (peak)	1C / 30sec, 2C / 7sec					
Protections		Over & Under Voltage Protection					
		Over and Under Temperature Protection					
		Over Current Protection					
		Short-circuit Protection					
Communication		CANBus					
		USB					
		Wi-Fi					
Storage	≤ One Month	-4° F - 113° F (-20° C - 45° C)					
	One Year	32° F - 95° F (0° C - 35° C)					
	Humidity	≤ 70% RH					
Ingress Protection		IP 54 design					
Battery Modes		Active Charge / Discharge					
		Short-term Sleep (low current)					
		Long-term Sleep (no current)					
Chemistry		Lithium Iron Phosphate (LiFePO4)					

Application Requirements - Getting Started

Battery Voltage	24 - 96 V
Capacity Requirement	Amp-hours (Ah)
Battery Compartment	Dimensions (L x W x H), Weight
Vehicle Make/Model	Year, Make, Model
Vehicle Controller	Brand, Model, Version (rev)
Battery Connection(s)	High Current, Low Current, Auxiliary
Charger	Brand, Model, Version

ABOUT GREEN CUBES TECHNOLOGY

Green Cubes Technology develops and manufactures a complete portfolio of lithium power systems that enable our OEM and enterprise customers to transition from Lead Acid and Internal Combustion Engine (ICE) power to Lithium-ion battery power. We utilize proven hardware and software platforms to build the most reliable lithium battery systems in our industries. With over 300 employees across five countries, Green Cubes has been producing reliable, high performance and high quality products for over 40 years.

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