



# EAGLE 2

FEAGL-XX016-G2-XXX



## FEATURES

- GC2 form factor
- CANbus communications (optional)
- Self-heating function
- IP67 protection rating
- Smart BMS with auto-cell balancing
- LED State of Charge indicator

## MULTI-APPLICATION USE

Eagle Battery Designed & Engineered For:

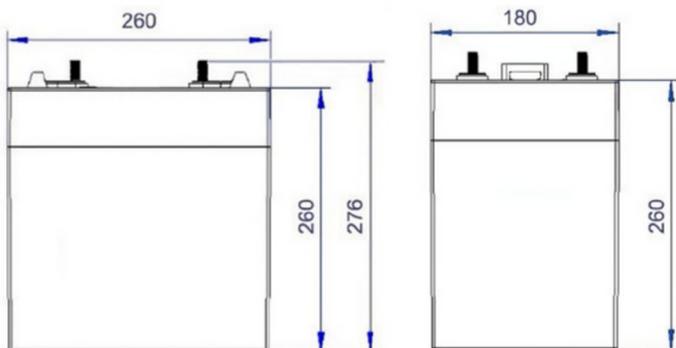
- Golf Carts
- ATV's
- High Power Performance Vehicles
- Marine Electronics
- Industrial equipment
- Off-Grid Home Battery Backup

## CONTACT US

**Phone:** (818)280-3091 **Email:** Sales@BigBattery.com

**Hours:** Monday - Friday, 9:00 AM - 5:00 PM PST

**Address:** 400 Maple St, Commerce, TX, 75428



## FREQUENTLY ASKED QUESTIONS

### How do I connect this battery into my existing system?

These batteries use a standard M8 terminal. This battery can be connected directly to the on-board wiring system. You may also purchase additional cables from BigBattery.

### How many times can I put this battery in parallel/series?

These batteries are not series capable but can be connected in parallel up to ten times. Make sure that the total amount of these batteries in your configuration never exceeds ten total batteries. When connecting batteries in parallel, ensure all batteries are within 1 volt of one another.

### How long will my battery last, and what do I do at the end of its life?

Lithium iron phosphate (LiFePO<sub>4</sub>) batteries can be cycled from 3500 - 5000 times. If you cycle the battery daily then you can get more than 10 years of use from your battery. When your battery is at the end of its lifespan, contact us and we'll recycle it for you, free of charge!

# BATTERY SPECIFICATIONS



24V



36V



48V

SKU	FEAGL-24016-G2	FEAGL-36016-G2	FEAGL-48016-G2
System Voltage	24V	36V	48V
Nominal Voltage	25.6V	38.4V	51.2V
Chemistry	LiFePO4	LifFePO4	LiFePO4
kWh Capacity	1.63 kWh	1.54 kWh	1.63 kWh
Ah Capacity	64	40	32
Charging Voltage Range	27.8V - 29V	41.7V - 43.2V	55.6V - 58V
Max Charge Voltage	29.2V	43.8V	58.4V
Operating Voltage Range	24V - 28.8V	36V - 43.2V	48V - 58.8V
Suggested Low Voltage Cutoff	24V - 25.4V	36V - 38.1V	48V - 50.8V
BMS Cutoff Range	21V - 23.5V	31.5V - 35.3V	42V - 47V
Cell Configuration	8S	12S	16S
Max Cont. Discharge Current	100A	80A	60A
Max Continuous Power	2560W	3072W	3072W
Max Discharge Peak Current	200A (Max 5 seconds)	200A (Max 5 seconds)	200A (Max 3 seconds)
Max Charge Current	64A	40A	30A
Charge Temperature Range	-4°F - 131°F (-20°C - 55°C)	-4°F - 131°F (-20°C - 55°C)	-4°F - 131°F (-20°C - 55°C)
Discharge Temperature Range	-4°F - 140°F (-20°C - 60°C)	-4°F - 140°F (-20°C - 60°C)	-4°F - 140°F (-20°C - 60°C)
Optimal Discharge Temp. Range	59°F - 95°F (15°C - 35°C)	59°F - 95°F (15°C - 35°C)	59°F - 95°F (15°C - 35°C)
Storage Temp. Range (SoC >50%)	23°F - 95°F (-5°C - 35°C) (Max 3 months) 32°F - 77°F (0°C - 25°C) (Max 12 months)	23°F - 95°F (-5°C - 35°C) (Max 3 months) 32°F - 77°F (0°C - 25°C) (Max 12 months)	23°F - 95°F (-5°C - 35°C) (Max 3 months) 32°F - 77°F (0°C - 25°C) (Max 12 months)
Dimensions (DxWxH)	7.1 x 10.24 x 9.8 in (180 x 260 x 249 mm)	7.1 x 10.24 x 9.8 in (180 x 260 x 249 mm)	7.1 x 10.24 x 9.8 in (180 x 260 x 249 mm)
Weight	33 lbs (15 kg)	36 lbs (16.3 kg)	33 lbs (15 kg)
Max Connections	Up to (10) Parallel	Up to (10) Parallel	Up to (10) Parallel
Protection Rating	IP67	IP67	IP67
Communications	No	No	CANBus
Heating Function	Yes	Yes	Yes