



# EG4 36V

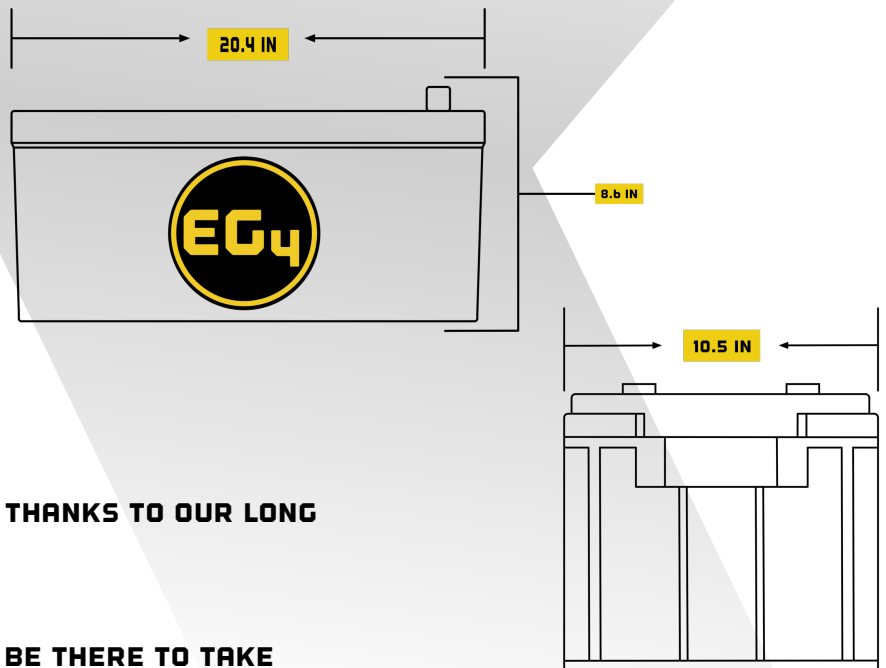
## 100AH WATERPROOF BATTERY

OUR EG4 BATTERIES OFFER SECOND TO NONE PRICE TO PERFORMANCE. GET PEACE OF MIND THAT YOUR BATTERIES WILL LAST. OUR WATERPROOF BATTERIES ARE DESIGNED TO LAST FOR OVER 6,000 DEEP CHARGE AND DISCHARGE CYCLES, THATS 15 YEARS WITH AN 80% DEPTH OF DISCHARGE DAILY!

BUILT IN BMS **100A**

STORAGE CAPACITY **3.84KWH**

BATTERY VOLTAGE **36V**



### ⚡ 7000 DEEP-CYCLE CELLS

CHARGE & DISCHARGE WITH CONFIDENCE THANKS TO OUR LONG LIFE BATTERIES.

### ⚡ 5 YEAR WARRANTY

HAVE PEACE OF MIND KNOWING WE WILL BE THERE TO TAKE CARE OF YOU SHOULD SOMETHING GO WRONG!

### ⚡ BLUETOOTH MONITORING

SEE REAL-TIME STATISTICS OF YOUR BATTERY. WITH OUR EG4 APP

### ⚡ COMPLETELY WATERPROOF

NO MORE WORRYING ABOUT YOUR BATTERY PLACEMENT. THIS WATERPROOF BATTERY IS PERFECT FOR MARINE APPLICATIONS.

### ⚡ WELDED PRISMATIC CELL CONNECTIONS

NEVER WORRY ABOUT LOSING POWER DUE TO A LOOSE INTERNAL CONNECTION!



# EG4 36V

## 100AH WATERPROOF BATTERY

### Nominal Operating Parameters

Voltage	38.4V
Capacity	100AH
Charging voltage	42.0V~43.2V
Discharging voltage	30.0V
Charging Current	100A (maximum constant charge)
Discharging Current	100A (maximum constant discharge)

### Environmental Parameters

Charging Range	0°C ~ 50°C
Discharge Range	-20°C ~ 55°C
Storage Range	-20°C ~ 55°C

### BMS Parameters

Charge	Spec	Delay	Recovery
Cell Voltage Protection	3.9V	1 sec	3.45V
Module Voltage Protection	45.0V	1 sec	14.4V
Over Charging Current 1	>102A	10 sec	
Over Charging Current 2	≥120A	3 sec	
Temperature Protection	<-5°C or >70°C	1 sec	>0°C or <60°C

### Discharge

Cell Voltage Protection	2.3V	1 sec	3.1V
Module Voltage Protection	30.0V	1 sec	36.0V
Over Charging Current 1	>102A	10 sec	60 sec
Over Charging Current 2	>150A	3 sec	60 sec
Short-Circuit	>250A	0.1mS	
Temperature Protection	<-20°C or >75°C	1 sec	>-10°C or <65°C

### BMS

PCB Temp Protection	>105°C	1 sec	<80°C
Cell Balance	100mA	Passive Balance	Cell voltage difference >40mV
Temperature Accuracy	3%	Cycle Measurement	Measurement range -40~100°C
Voltage Accuracy	0.5%	Cycle Measurement	
Current	3%	Cycle Measurement	Measurement range -200~200°C
SOC	5%		Integral calculation
Power Consumption	<300uA	Sleep Mode	Storage & Transportation
Power Consumption	<40mA	Operating Mode	Charging & Discharging
Communication Ports	Bluetooth		customized EG4 app

