

FDC-GC2-48

Datasheet

FULBAT[®]

DEEP CYCLE BATTERY



LiFePO₄

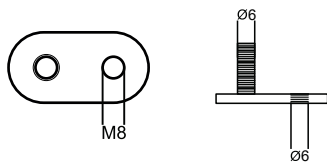


FDC-GC2-48 is a part of our FDC - Deep Cycle Lithium batteries. Specially designed to offer a lighter, longer life and higher power solution to Lead Acid batteries, this 51.2V 30Ah battery offers optimum safety thanks to a built-in Battery Management System (BMS). Equipped with CANbus connections, this battery is able to communicate real-time operating statistics like voltage, current, state of charge, making FDC-GC2-48 battery more user friendly. Maintenance free (no more watering required), the FDC-GC2-48 battery will deliver exceptional performance and unmatched reliability for electric vehicle such as Golf cart, Utility vehicle...

FEATURES

- Smart BMS (Battery Management System) self-protects against short circuits, overheating, overcharge, overdischarge and over-current.
- Fast charge: under 4 hours.
- 2-3X the lifetime of flooded lead acid batteries.
- Acid-free design takes away corrosion, acid drips and charging fumes.
- State of Charge LED indicators
- CAN Bus Communication
- On/Off button to turn the battery off for maintenance or long-term storage
- Up to 10 parallel connections

TERMINAL



APPLICATIONS



Golf cart



Aerial work platform



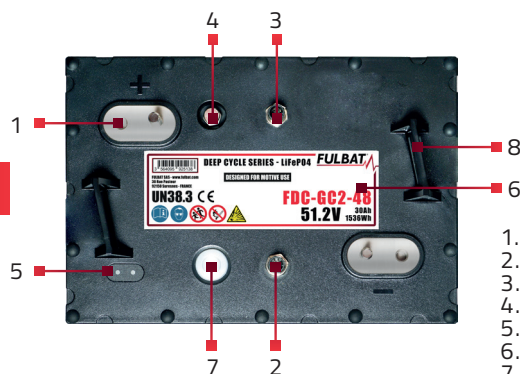
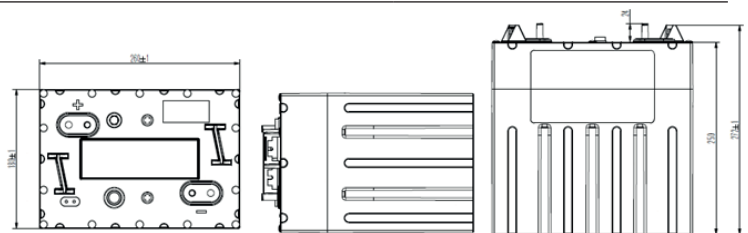
Solar

SPECIFICATIONS

Nominal voltage	51.2V
Nominal capacity	30Ah
Energy	1536Wh
Internal resistance	Approx 50mΩ
Cycle life	Up to 6000 cycles at 80% DOD*
Monthly self discharge	≤3% per month
Communication	CAN/RS485
Terminal	DUAL M8
Standard Charge	
Charge voltage	55.2~57.6V
Float voltage	54.4~55.2V
Charge current	10A
Max. charge current	30A
Max. in parallel	10 batteries
Standard discharge	
Discharge current	30A
Max. continuous current	60A@30min
Max. peak current	100A@10S
Operating temp. range	
Charge temperature	0°C to 50°C
Discharge temperature	-20°C to 60°C
Storage temperature	0°C to 45°C
Container material	A.B.S.
IP Rate	IP67

DIMENSIONS & WEIGHT

Length	260±2mm
Width	180±2mm
Total height	272±2mm
Gross weight	15.0kg



1. Dual M8 Terminal
2. Communication port 1
3. Communication port 2
4. Pressure relief valve
5. LED indicators
6. Heatsink
7. Power button
8. Lifting brackets