

FDC51-105

Datasheet

FULBAT[®]

DEEP CYCLE BATTERY



LiFePO₄



FDC51-105 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 105Ah battery offers optimum safety thanks to a built-in Battery Management System (BMS).

Maintenance free (no more watering required), the FDC51-105 battery will deliver exceptional performance and unmatched reliability for electric vehicle such as Golf cart, Utility vehicle...

SPECIFICATIONS

Nominal voltage	51.2V
Nominal capacity	105Ah
Energy	5376Wh
Internal resistance	Approx 50mΩ
Cycle life	Up to 5000 cycles at 80% DOD*
Monthly self discharge	≤3% per month
Communication	CAN/RS485 optional
Terminal	M8 Bolts, 12±2N·m
Standard Charge	
Charging freeze protection	<0°C
Charge current	50V
Upper limit voltage	58.4A
Charging temperature	0~65°C
Standard discharge	
Max Continuous Discharge	150A
Max Discharge current	380A@30min
Lower limit voltage	40V
BMS Voltage Recovery	30A
Max. continuous current	44.8V
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	Powder Coated Steel
IP Rate	IP65

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.

APPLICATIONS



Golf cart

DIMENSIONS & WEIGHT

Length	500±2mm
Width	343±2mm
Total height	268±2mm
Gross weight	48.0kg

