

FDC12-55

Datasheet

FULBAT®
DEEP CYCLE BATTERY



AGM

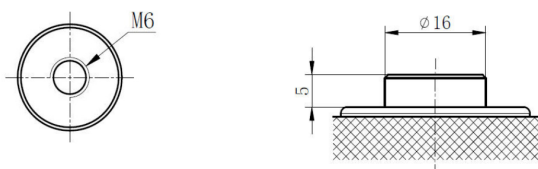
**CARBON
ADDITIVE**

FDC Series are Deep Cycle AGM Carbon batteries specifically designed for frequent discharge deep cycle application. With non-spillable design and maintenance free, AGM FDC Series offer low self-discharge and ensure a maximum service life with high resistance to cycles. Thanks to carbon additives, these batteries can perfectly be used with good performance without being 100% charged. This range offers reliable performance for electric vehicle and other applications such as golf cart, aerial work platform, cleaning machine, marine, solar energy...

FEATURES

- Deep Cycle AGM technology (VRLA)
- Non-spillable & maintenance free
- No acid handling
- Deep Cycle design for high capacity and maximum life
- Reinforced grid/plates design for optimal cyclic use
- Robust, safe & reliable
- Carbon additives to perform in Partial State of Charge (PSOC) and to increase charging efficiency
- Low self-discharge rate for longer shelf life

TERMINAL



SPECIFICATIONS

Voltage	Capacity
12V	55Ah (20hr)
	50Ah (10hr)
	48Ah (5hr)
	45Ah (3hr)

OPERATING TEMPERATURE

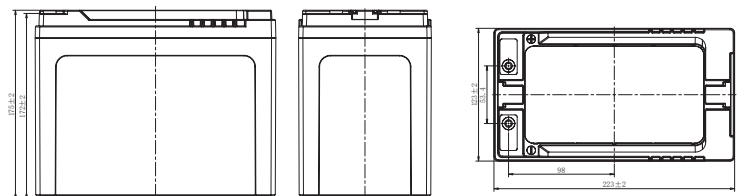
Discharge	-15°C ~ 50°C
Charge	0°C ~ 40°C
Storage	-15°C ~ 40°C

CHARGING INSTRUCTIONS

Max current	12.1A
Float	13.6V - 13.8V
Cyclic	14.7V - 14.8V

DIMENSIONS & WEIGHT

Length	223±2mm
Width	123±2mm
Total Height	175±2mm
Gross weight	13.4kg



APPLICATIONS



Aerial work platform



Golf cart



Floor cleaning machine



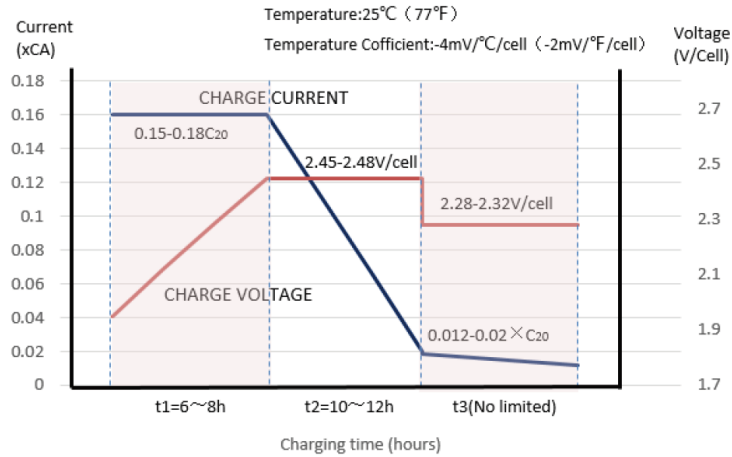
Solar

FDC12-55

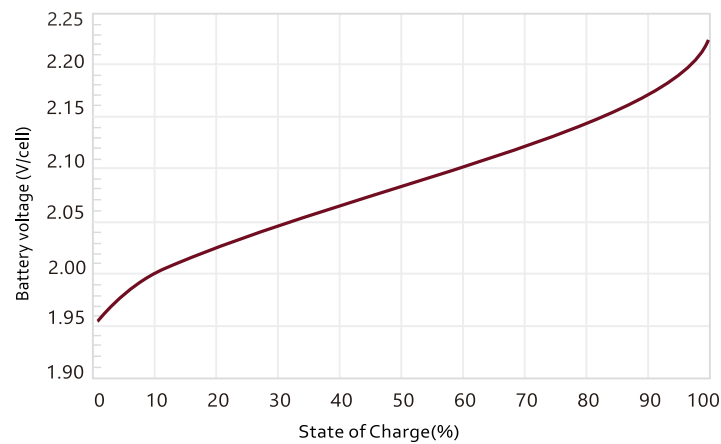
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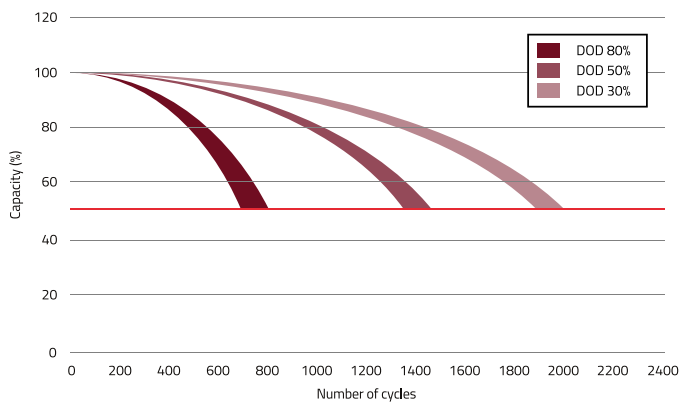
FDC AGM CHARGING PROFILE



RELATIONSHIP OF OCV AND STATE OF CHARGE (25°C)



CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



SELF-DISCHARGE CHARACTERISTIC

