

FDC12-105

Datasheet

FULBAT®

DEEP CYCLE BATTERY



AGM

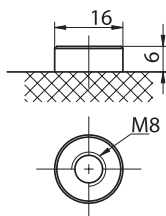


FDC Series are Deep Cycle AGM Carbon batteries specifically designed for frequent discharge deep cycle application. With non-spillable design and maintenance free, AGM FDC Series offer low self-discharge and ensure a maximum service life with high resistance to cycles. Thanks to carbon additives, these 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	Reserve capacity
12V	115Ah (100hr)	220min (25A)
	108Ah (20hr)	80min (56A)
	104Ah (10hr)	55min (75A)
	96Ah (5hr)	
	90Ah (3hr)	

OPERATING TEMPERATURE

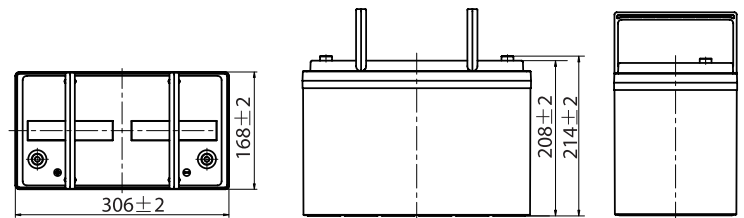
Discharge	-15°C ~ 50°C
Charge	0°C ~ 40°C
Storage	-15°C ~ 40°C

CHARGING INSTRUCTIONS

Max current	24A
Float	13.5V - 13.8V
Cyclic	14.5V - 15.0V

DIMENSIONS & WEIGHT

Length	306±2mm
Width	168±2mm
Total Height	214±2mm
Gross weight	27.3kg



APPLICATIONS



Aerial work platform



Golf cart



Floor cleaning machine



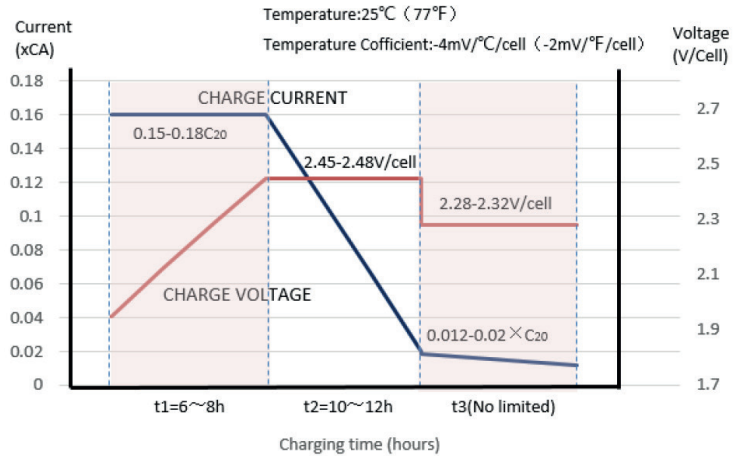
Solar

FDC12-105

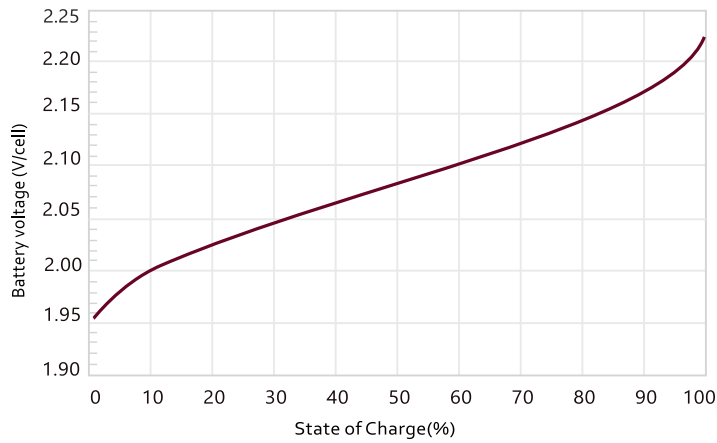
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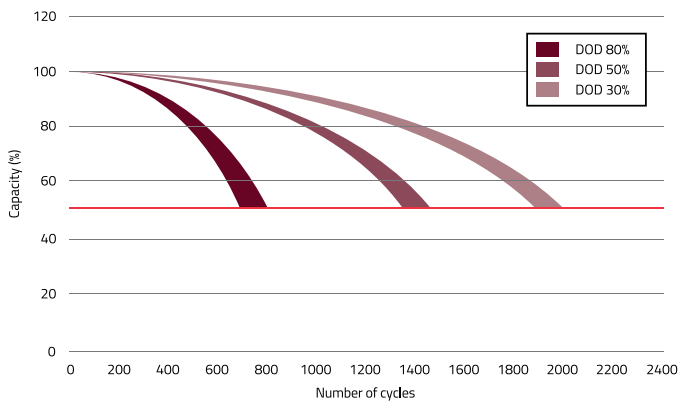
FDC AGM CHARGING PROFILE



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



CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



SELF-DISCHARGE CHARACTERISTIC

