

FDC12-14

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
12 V	15 Ah (20hr)
	14.4 Ah (10hr)
	13.5 Ah (5hr)
	12 Ah (2hr)

OPERATING TEMPERATURE

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

CHARGING INSTRUCTIONS

Max current	3.0A
Float	13.6V - 13.8V
Cyclic	14.7V - 14.8V

DIMENSIONS & WEIGHT

Length	151.5±2mm
Width	99.5±2mm
Total Height	100±2mm
Gross weight	4.0kg



APPLICATIONS



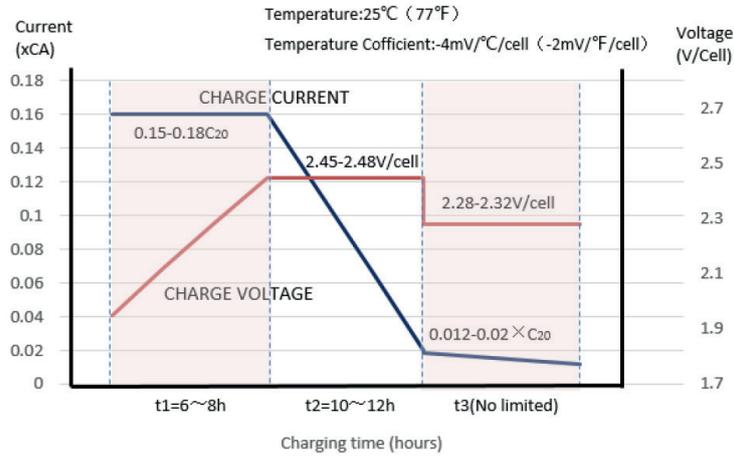
Electrical vehicle

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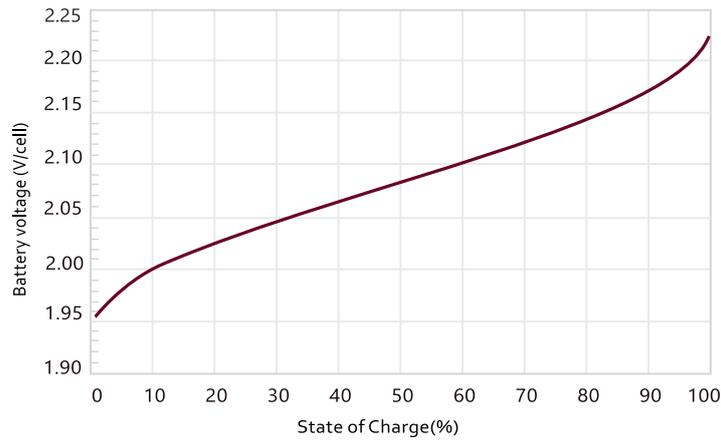
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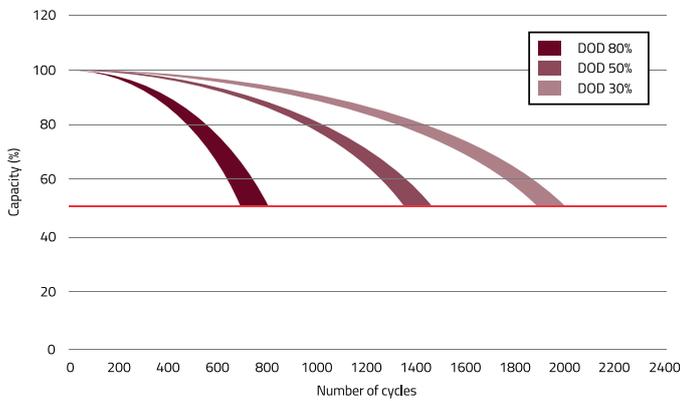
FDC AGM CHARGING PROFILE



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



CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



SELF-DISCHARGE CHARACTERISTIC

