

# FDC12-145

## Datasheet

# FULBAT™

## DEEP CYCLE BATTERY



AGM

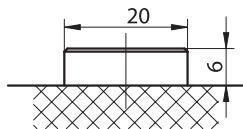
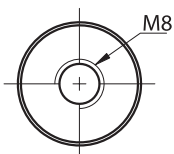


FDC Series are Deep Cycle AGM Carbon batteries specifically designed for frequent discharge deep cycle application. With non-spillable design and maintenance free, AGM FDC Series offer low self-discharge and ensure a maximum service life with high resistance to cycles. Thanks to carbon additives, these 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
12 V	160 Ah (100hr)	308 min (25A)
	148 Ah (20hr)	115 min (56A)
	141 Ah (10hr)	88 min (75A)
	122 Ah (5hr)	
	118 Ah (3hr)	

### OPERATING TEMPERATURE

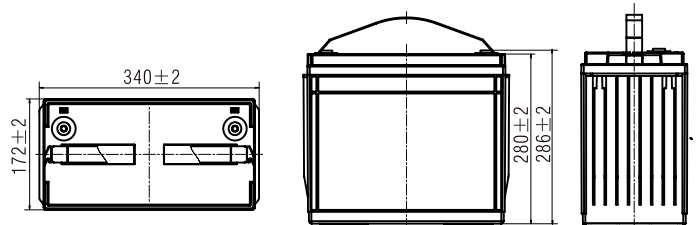
Discharge	-15°C ~ 50°C
Charge	0°C ~ 40°C
Storage	-15°C ~ 40°C

### CHARGING INSTRUCTIONS

Max current	36A
Float	13.5V - 13.8V
Cyclic	14.4V - 15.0V

### DIMENSIONS & WEIGHT

Length	340±2mm
Width	172±2mm
Total Height	286±2mm
Gross weight	42.6kg



### APPLICATIONS



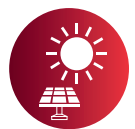
Aerial work platform



Golf cart



Floor cleaning machine



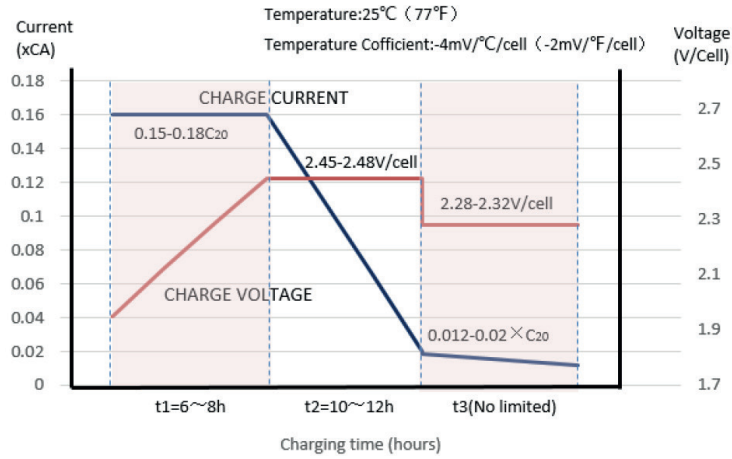
Solar

# FDC12-145

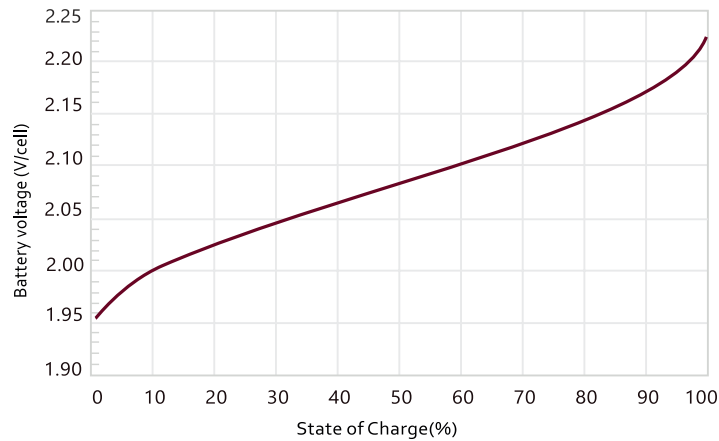
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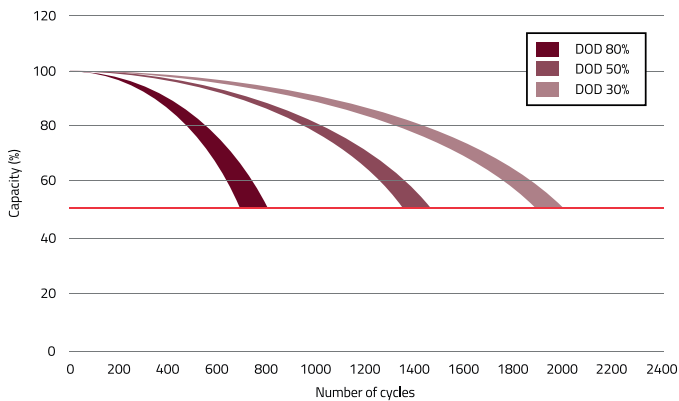
### FDC AGM CHARGING PROFILE



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



### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



### SELF-DISCHARGE CHARACTERISTIC

