

# FDC12-46

## Datasheet

**FULBAT™**  
**DEEP CYCLE BATTERY**

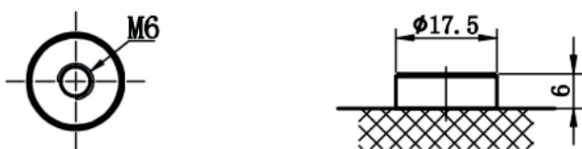


FDC Series are Deep Cycle AGM Carbon batteries specifically designed for frequent discharge deep cycle application. With non-spillable design and maintenance free, AGM FDC Series offer low self-discharge and ensure a maximum service life with high resistance to cycles. Thanks to carbon additives, these 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
<b>12 V</b>	<b>53 Ah</b> (20hr)
	<b>46 Ah</b> (10hr)
	<b>44 Ah</b> (5hr)
	<b>40 Ah</b> (2hr)

### OPERATING TEMPERATURE

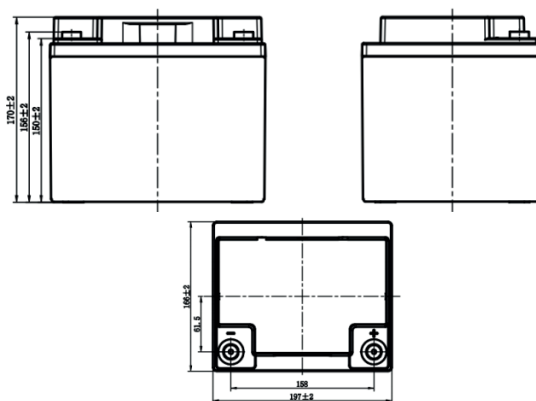
<b>Discharge</b>	-15°C ~ 50°C
<b>Charge</b>	0°C ~ 40°C
<b>Storage</b>	-15°C ~ 40°C

### CHARGING INSTRUCTIONS

<b>Max current</b>	10.6A
<b>Float</b>	13.6V - 13.8V
<b>Cyclic</b>	14.7V - 14.8V

### DIMENSIONS & WEIGHT

<b>Length</b>	197±2mm
<b>Width</b>	166±2mm
<b>Total Height</b>	170±2mm
<b>Gross weight</b>	14.1kg



### APPLICATIONS



Aerial work platform



Golf cart



Floor cleaning machine



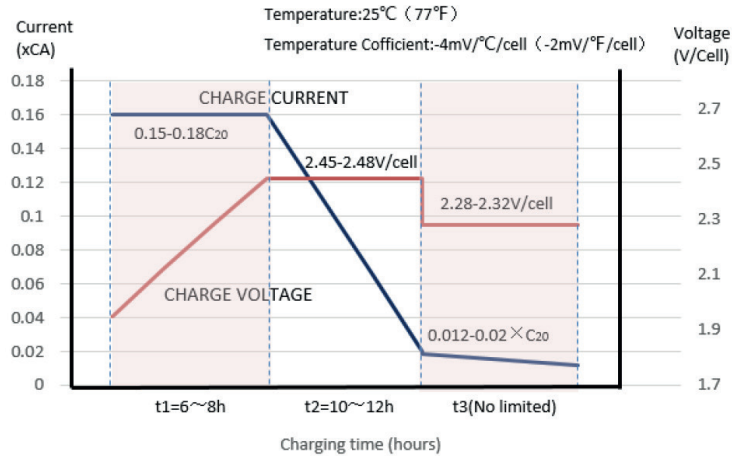
Solar

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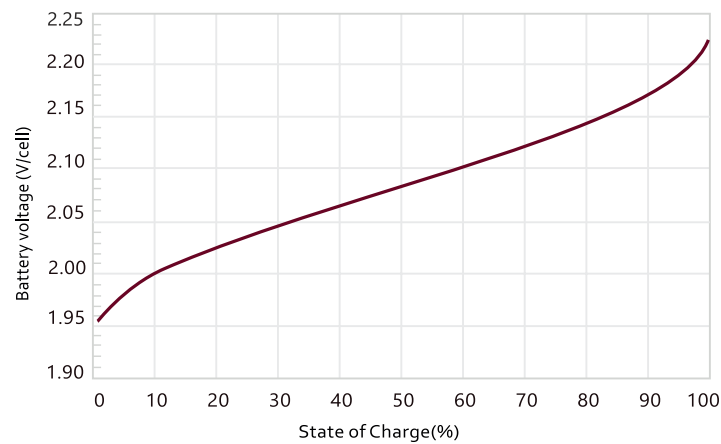
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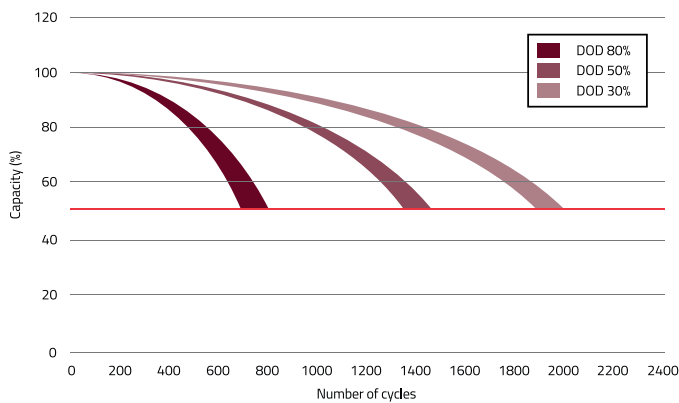
### FDC AGM CHARGING PROFILE



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



### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



### SELF-DISCHARGE CHARACTERISTIC

