

# FDC8-170

## Datasheet

# FULBAT<sup>®</sup>

## DEEP CYCLE BATTERY



**AGM**

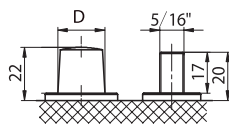
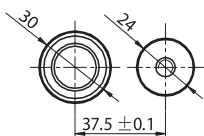
**CARBON  
ADDITIVE**

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	Reserve capacity
<b>8V</b>	<b>180 Ah</b> (100hr)	<b>325 min</b> (25A)
	<b>170 Ah</b> (20hr)	<b>130 min</b> (56A)
	<b>155 Ah</b> (10hr)	
	<b>145 Ah</b> (5hr)	

### OPERATING TEMPERATURE

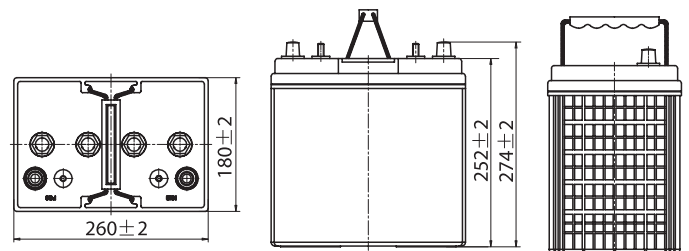
<b>Discharge</b>	-15°C ~ 50°C
<b>Charge</b>	0°C ~ 40°C
<b>Storage</b>	-15°C ~ 40°C

### CHARGING INSTRUCTIONS

<b>Max current</b>	33A
<b>Float</b>	9.12V - 9.28V
<b>Cyclic</b>	9.6V - 9.8V

### DIMENSIONS & WEIGHT

<b>Length</b>	260±2mm
<b>Width</b>	180±2mm
<b>Total Height</b>	274±2mm
<b>Gross weight</b>	29.2kg



### APPLICATIONS



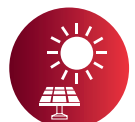
Aerial work platform



Golf cart



Floor cleaning machine



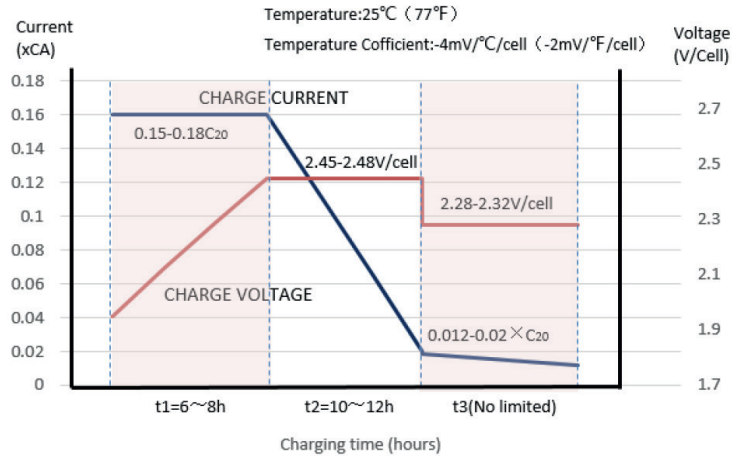
Solar

# FDC8-170

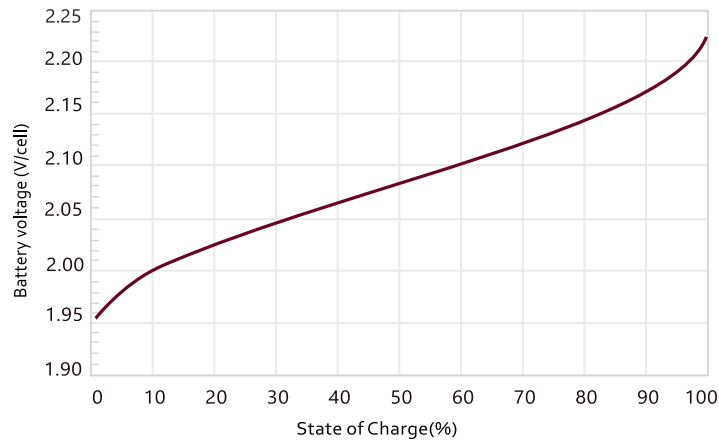
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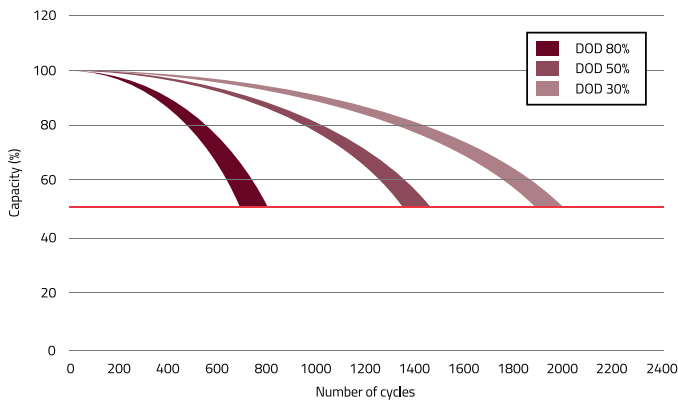
### FDC AGM CHARGING PROFILE



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



### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



### SELF-DISCHARGE CHARACTERISTIC

