

# FDC12-60

## Datasheet

# FULBAT™

DEEP CYCLE BATTERY



AGM

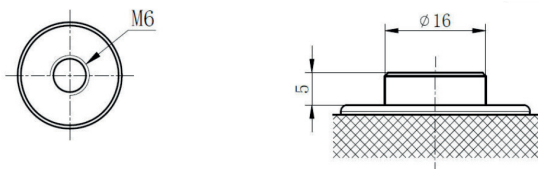
CARBON ADDITIVE

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           |
|------------|--------------------|
| <b>12V</b> | <b>68Ah</b> (20hr) |
|            | <b>60Ah</b> (10hr) |
|            | <b>57Ah</b> (5hr)  |
|            | <b>53Ah</b> (3hr)  |

### OPERATING TEMPERATURE

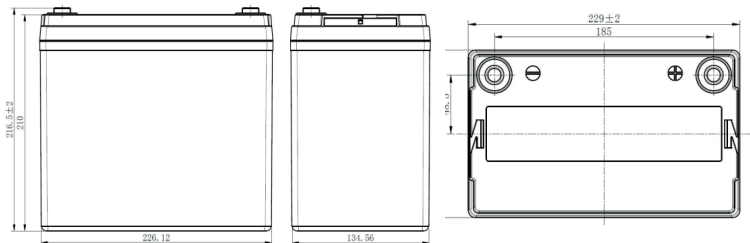
|                  |              |
|------------------|--------------|
| <b>Discharge</b> | -15°C ~ 50°C |
| <b>Charge</b>    | 0°C ~ 40°C   |
| <b>Storage</b>   | -15°C ~ 40°C |

### CHARGING INSTRUCTIONS

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

### DIMENSIONS & WEIGHT

|                     |           |
|---------------------|-----------|
| <b>Length</b>       | 229±2mm   |
| <b>Width</b>        | 138±2mm   |
| <b>Total Height</b> | 216.5±2mm |
| <b>Gross weight</b> | 17.5kg    |



### APPLICATIONS



Aerial work platform



Golf cart



Floor cleaning machine



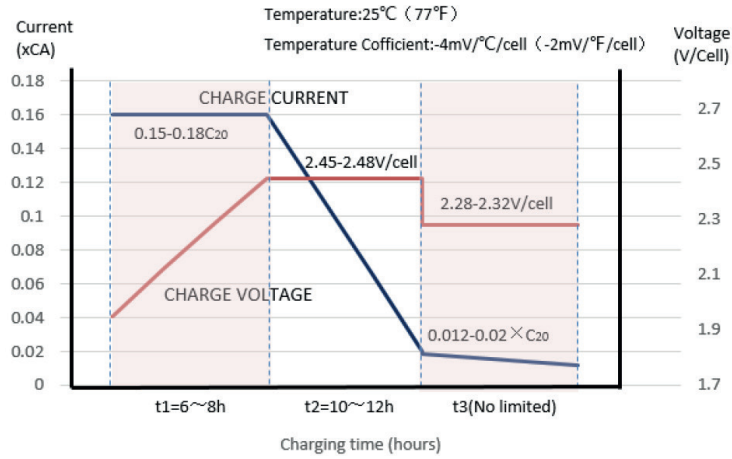
Solar

# FDC12-60

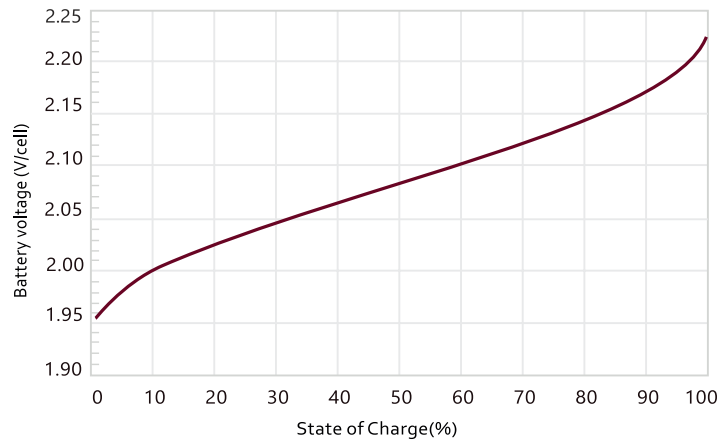
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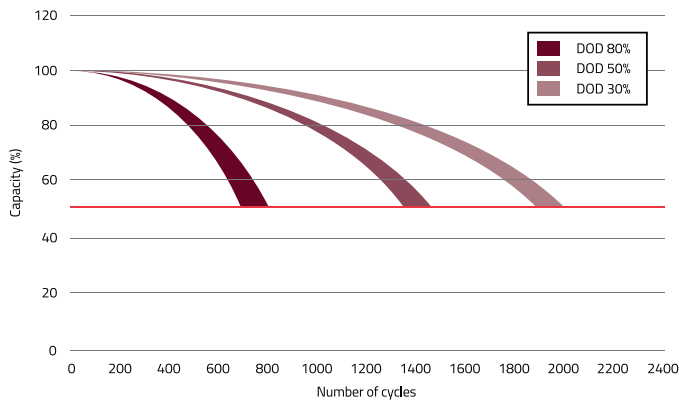
### FDC AGM CHARGING PROFILE



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



### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



### SELF-DISCHARGE CHARACTERISTIC

