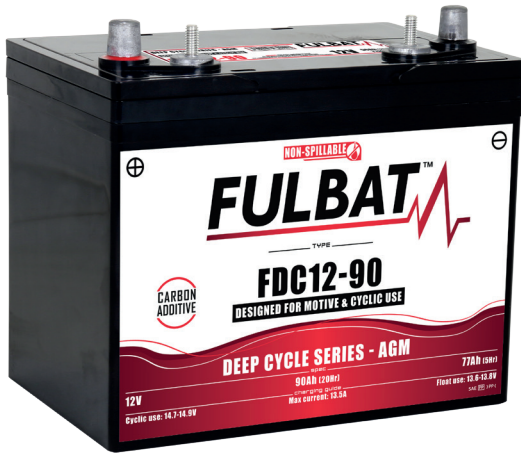


# FDC12-90

## Datasheet

# FULBAT<sup>®</sup>

## DEEP CYCLE BATTERY



AGM

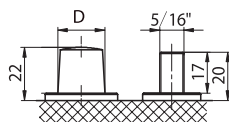
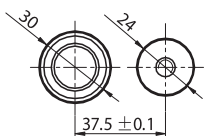


FDC Series are Deep Cycle AGM Carbon batteries specifically designed for frequent discharge deep cycle application. With non-spillable design and maintenance free, AGM FDC Series offer low self-discharge and ensure a maximum service life with high resistance to cycles. Thanks to carbon additives, these 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	93 Ah (100hr)	175 min (25A)
	90 Ah (20hr)	43 min (75A)
	85 Ah (10hr)	
	77 Ah (5hr)	

### OPERATING TEMPERATURE

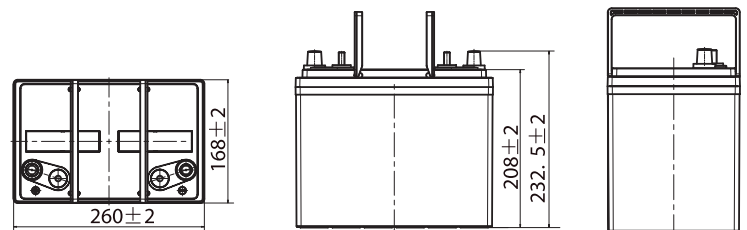
Discharge	-15°C ~ 50°C
Charge	0°C ~ 40°C
Storage	-15°C ~ 40°C

### CHARGING INSTRUCTIONS

Max current	13.5A
Float	13.6V - 13.8V
Cyclic	14.7V - 14.9V

### DIMENSIONS & WEIGHT

Length	260±2mm
Width	168±2mm
Total Height	232.5±2mm
Gross weight	23.8kg



### APPLICATIONS



Aerial work platform



Golf cart



Floor cleaning machine



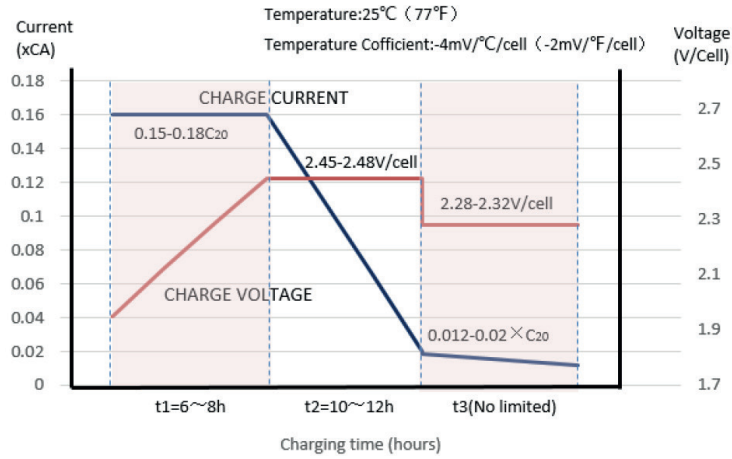
Solar

# FDC12-90

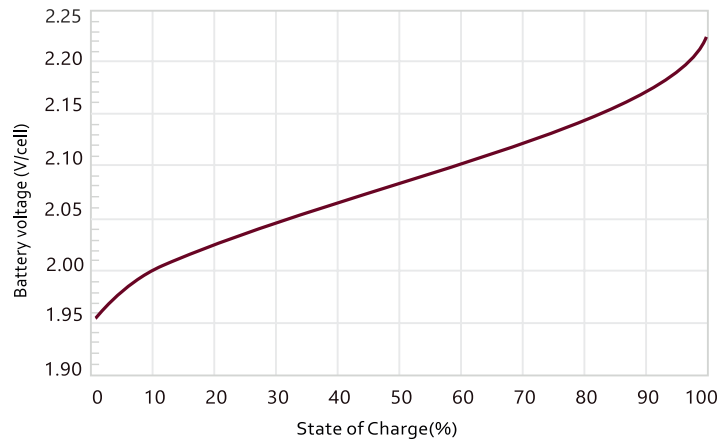
## Datasheet



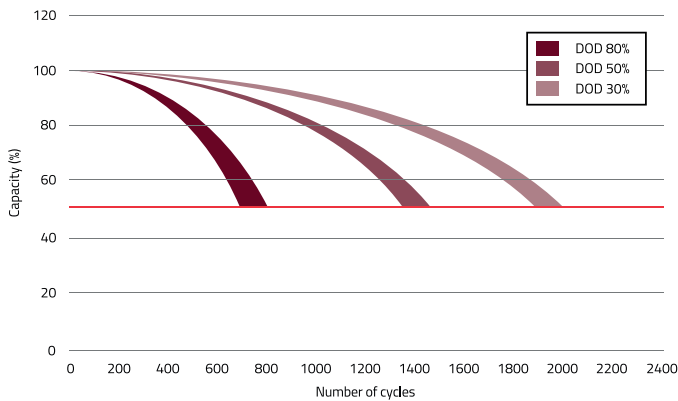
### FDC AGM CHARGING PROFILE



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



### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



### SELF-DISCHARGE CHARACTERISTIC

