



**AGM**

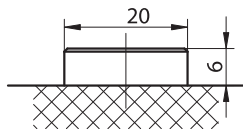
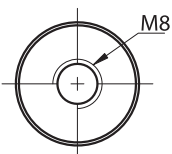
**CARBON  
ADDITIVE**

FQS AGM Series are Deep Cycle AGM Carbon batteries specifically designed for frequent discharge deep cycle application. With non-spillable design and maintenance free, FQS AGM 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>12 V</b>	<b>166 Ah</b> (100hr)	<b>323 min</b> (25A)
	<b>150 Ah</b> (20hr)	<b>90 min</b> (75A)
	<b>143 Ah</b> (10hr)	
	<b>136 Ah</b> (5hr)	

## OPERATING TEMPERATURE

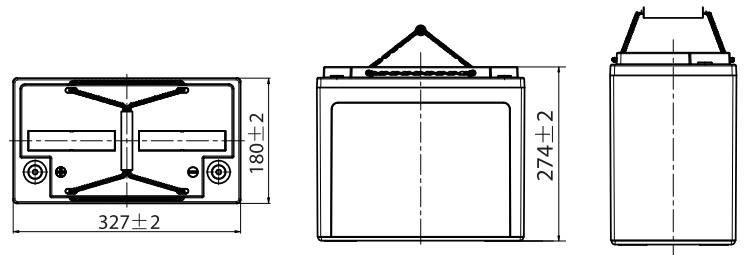
<b>Discharge</b>	-15°C ~ 50°C
<b>Charge</b>	0°C ~ 40°C
<b>Storage</b>	-15°C ~ 40°C

## CHARGING INSTRUCTIONS

<b>Max current</b>	22.5A
<b>Float</b>	13.7V - 13.9V
<b>Cyclic</b>	14.7V - 14.9V

## DIMENSIONS & WEIGHT

<b>Length</b>	327±2mm
<b>Width</b>	180±2mm
<b>Total Height</b>	274±2mm
<b>Gross weight</b>	41.9kg



Aerial work platform



Golf cart

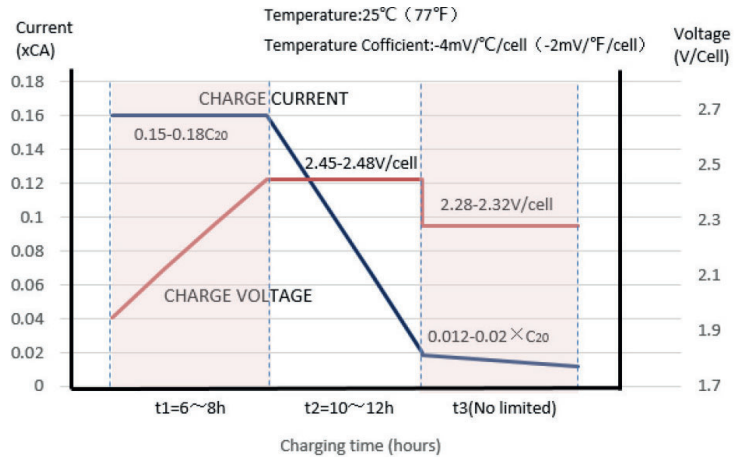


Floor cleaning machine

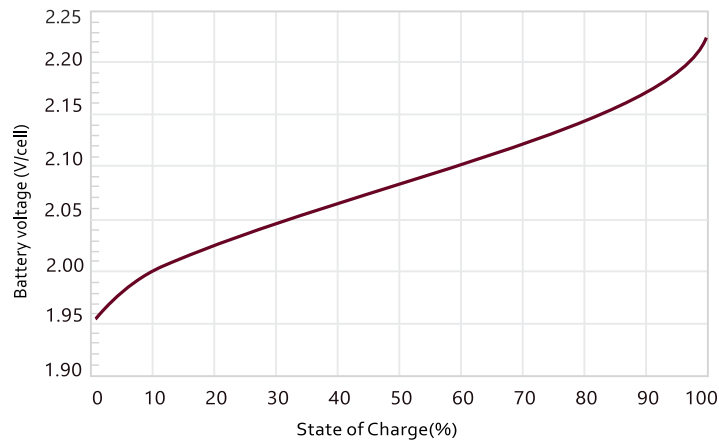


Solar

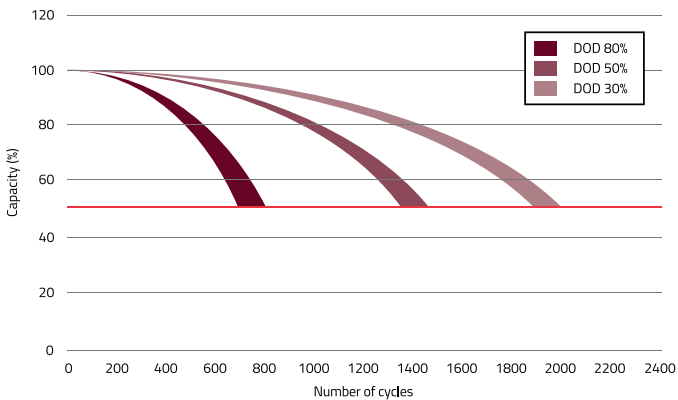
## FDC AGM CHARGING PROFILE



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



## CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



## SELF-DISCHARGE CHARACTERISTIC

