



# INDIVIDUAL DATA SHEET

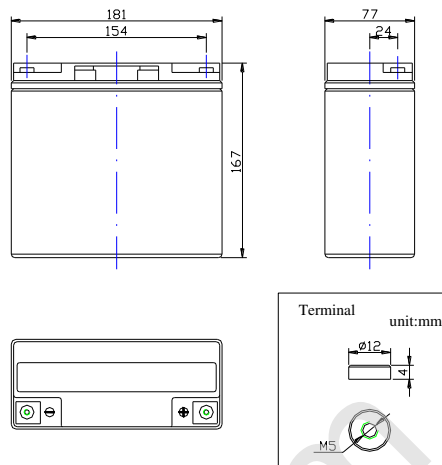
## DC20-12

20AH@20HR

12-Volt

DEEP CYCLE

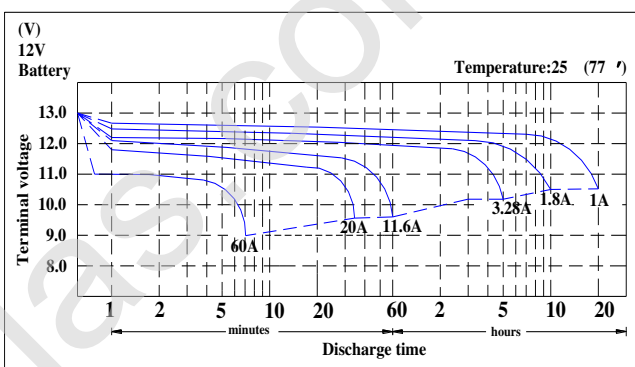
Maintenance-Free  
Sealed AGM Battery



### Specifications

Nominal Voltage	12V	
Nominal Capacity	20AH@20hr. rate to 1.75V per cell@25	
Overall Height (H)	167±1.5mm	6.57"
Container Height (h)	167±1.5mm	6.57"
Length	181±1mm	7.13"
Width	77±1mm	3.03"
Weight	Approx. 6.6kg	14.55lbs.
Terminal Type	M5- Button Terminal	
Container Material	ABS Standard UL 94-HB	

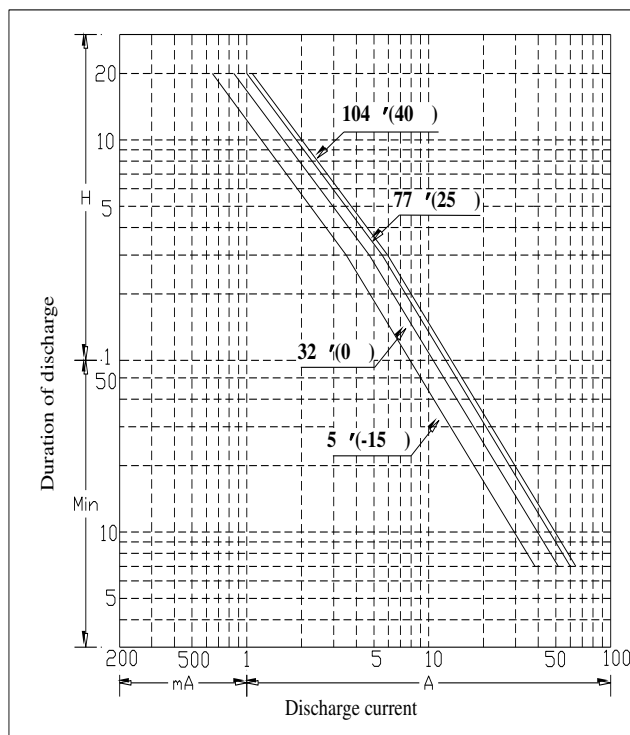
### Discharge characteristics 77 °(25 °)



### Characteristics

Capacity	20AH@20 hr. rate to 1.75V per cell@25
	18AH@10 hr. rate to 1.75V per cell@25
	16.4AH@5 hr. rate to 1.70V per cell@30
Internal Resistance	10mΩ@Full charged 77 °(25 °)
Operating Temperature Range	Discharge: -15 ~ +50 (5 ~ 122 °)
	Charge: -15 ~ +40 (5 ~ 104 °)
	Storage: -15 ~ +40 (5 ~ 104 °)
Recommended Operating Temperature Range	+74 °(23 °) to +80 °(27 °)
Self-Discharge	Less than 10% after 90 days, can be stored up to 6 months at 25 (77 °); Fully recharging is required before usage, For higher temperatures the time interval will be shorter.
Max. Discharge Current	300A (5s)
Maximum Charge Current(A)	5A
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 77°F (25°C)
Equalization and Cycle Service Charging Voltage	14.4 to 14.7 VDC/unit Average at 77°F (25°C)

### Duration of discharge vs. Discharge current



### Constant Current Discharge Rating Amperes @ 77 °(25 °)

Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H
1.75V	29	19	14	11.0	6.1	4.5	3.2	2.2	1.80	1.53	1.00

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.