



## DC240-12

**240AH@20HR**

**12-Volt**

**DEEP CYCLE**

**Maintenance-Free  
Sealed AGM Battery**

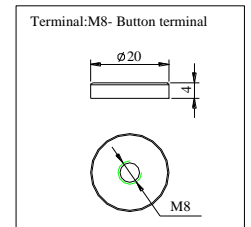
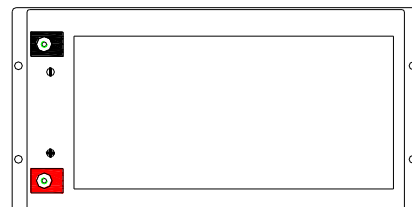
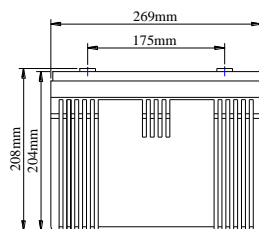
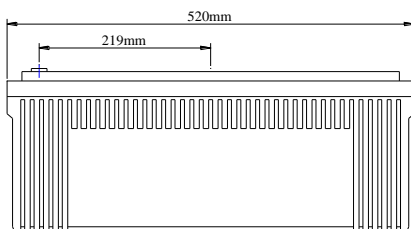
<b>Nominal Specifications</b>			
<b>Battery Model</b>	DC240-12	<b>Rated Capacity</b>	240AH/20HR
<b>Mechanical Specifications</b>			
<b>Group Size</b>	8D		
<b>Overall Height (H)</b>	208±2mm	8.19"	
<b>Container Height (h)</b>	204±2mm	8.03"	
<b>Length</b>	520±2mm	20.47"	
<b>Width</b>	269±2mm	10.59"	
<b>Weight</b>	Approx.73.8kg	162.7lbs.	
<b>Terminal Type</b>	M8-Button Terminal		
<b>Terminal Torque</b>	9.6-10.7 N.m		
<b>Container Material</b>	ABS: Standard (UL 94-HB)		

<b>Electrical Specifications</b>	
<b>C100</b>	262AH
<b>C20</b>	240AH
<b>C10</b>	216AH
<b>C5</b>	197AH
<b>CCA</b>	1204A
<b>CA or MCA</b>	1440A
<b>HPCA</b>	1730A
<b>Max. Discharge Current</b>	2400A (5s)
<b>Internal Resistance</b>	2.8mΩ
<b>Reserve Capacity</b>	
<b>Reserve @25 AMPS</b>	520Minutes
<b>Reserve @75 AMPS</b>	135Minutes

<b>Temperature Range Specifications</b>	
<b>Operating Temperature Range</b>	Discharge : -15°C ~+ 50°C (5°F ~122°F)
	Charge: -15°C ~ +40°C (5°F ~104°F)
	Storage: -15°C ~ +40°C (5°F ~104°F)
<b>Recommended Operating Temperature Range</b>	+74°F (23°C) to +80°F (27°C)
<b>Self-Discharge</b>	Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F); Fully recharging is required before usage, For higher temperatures the time interval will be shorter.

<b>Charge Voltages</b>	
<b>Float Charging Voltage</b>	13.5 to 13.8 VDC/unit@ (25°C)
<b>Equalization and Cycle Service Charging Voltage</b>	14.3 to 14.5 VDC/unit @(25°C)
<b>Maximum Charge Current(A)</b>	60A
<b>Charging Temperature Compensation</b>	Cycle use      -4mV/cell/°C
	Float use        -3mV/cell/°C

## BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



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

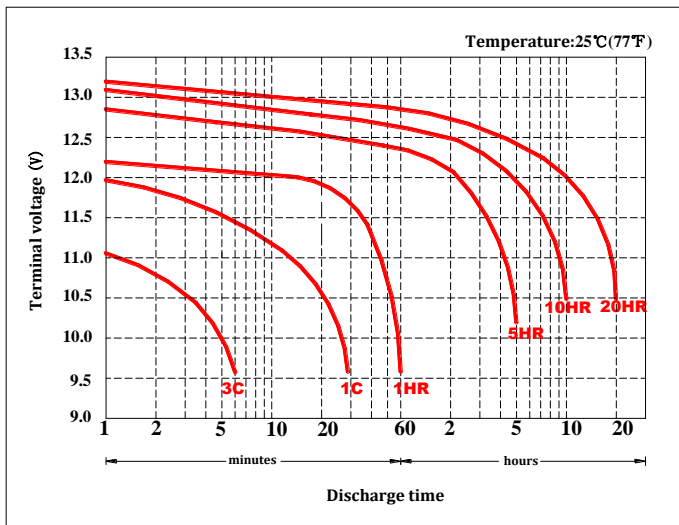
Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H
1.75V	350	214	158	136.4	75.3	54.3	38.1	26.1	21.60	18.40	12.00

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

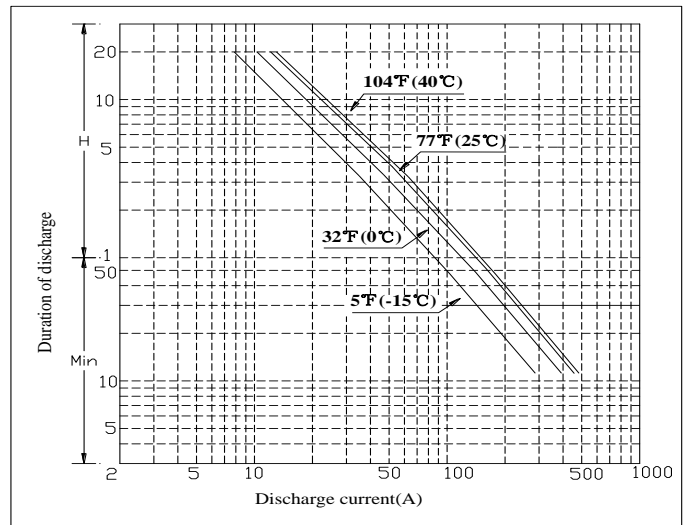


# DC240-12 DATA SHEET

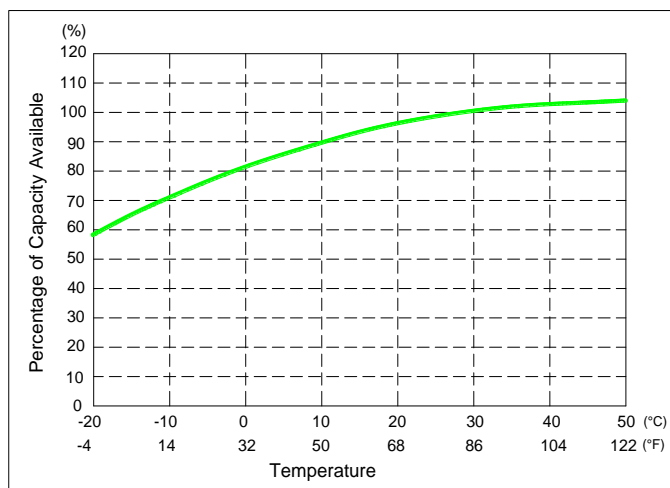
## Terminal Voltage(V) and Discharge Time



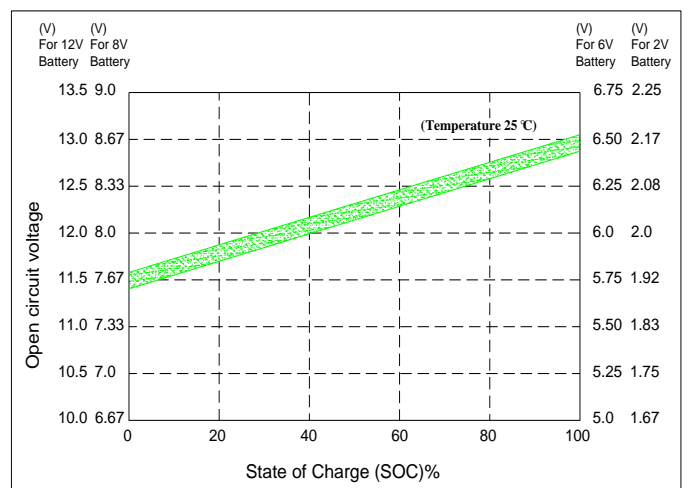
## Duration of discharge vs. Discharge current



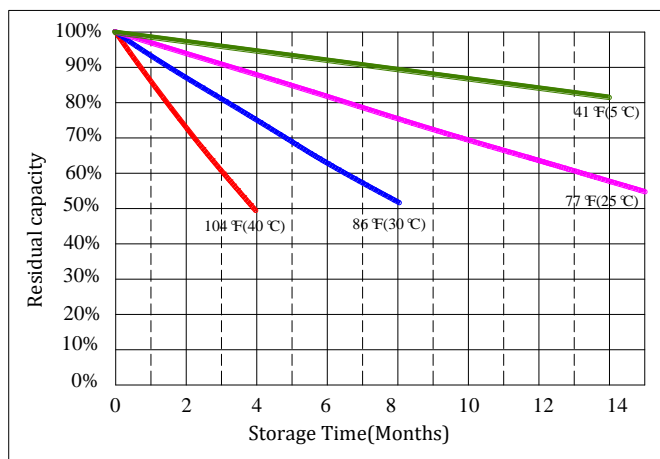
## Percent Capacity vs. Temperature



## State of Charge(SOC) vs Open Circuit Voltage(OCV)



## Capacity Retention Characteristic



## Cycle Life vs. Depth of Discharge(DOD)

