

DC210-12 DATA SHEET



DC210-12

210AH@20HR

12-Volt

DEEP CYCLE

**Maintenance-Free
Sealed AGM Battery**

Nominal Specifications

Battery Model	DC210-12	Rated Capacity	210AH/20HR
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Mechanical Specifications

Group Size	4D	
Overall Height (H)	218±2mm	8.58"
Container Height (h)	214±2mm	8.43"
Length	530±2mm	20.87"
Width	209±2mm	8.23"
Weight	Approx.60.3kg	132.94lbs.
Terminal Type	M8-Button Terminal	
Terminal Torque	9.6-10.7 N.m	
Container Material	ABS: Standard (UL 94-HB)	

Temperature Range Specifications

Operating Temperature Range	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)
Recommended Operating Temperature Range	+74°F (23°C) to +80°F (27°C)
Self-Discharge	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.

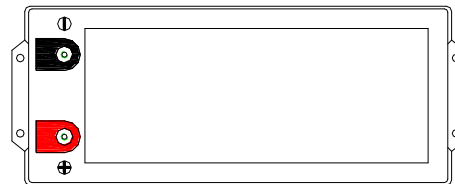
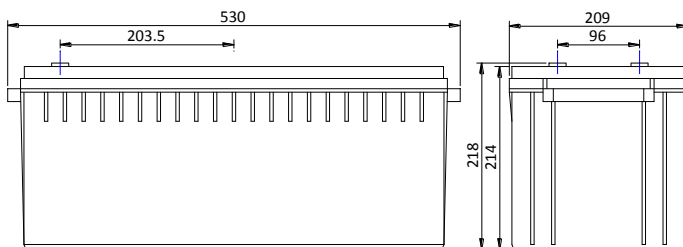
Electrical Specifications

C100	231AH
C20	210AH
C10	189AH
C5	172AH
CCA	1100A
CA or MCA	1320A
HPCA	1580A
Max. Discharge Current	2100A (5s)
Internal Resistance	2.6mΩ
Reserve Capacity	
Reserve @25 AMPS	400Minutes
Reserve @75 AMPS	105Minutes

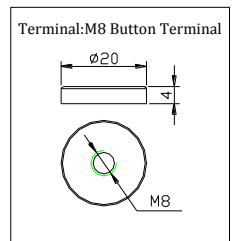
Charge Voltages

Float Charging Voltage	13.5 to 13.8 VDC/unit@ (25°C)	
Equalization and Cycle Service Charging Voltage	14.3 to 14.5 VDC/unit @ (25°C)	
Maximum Charge Current(A)	52.5A	
Charging Temperature Compensation	Cycle use	-4mV/cell/°C
	Float use	-3mV/cell/°C

BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



Battery bank spacing required 12.5mm (1/2"inch) minimum



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

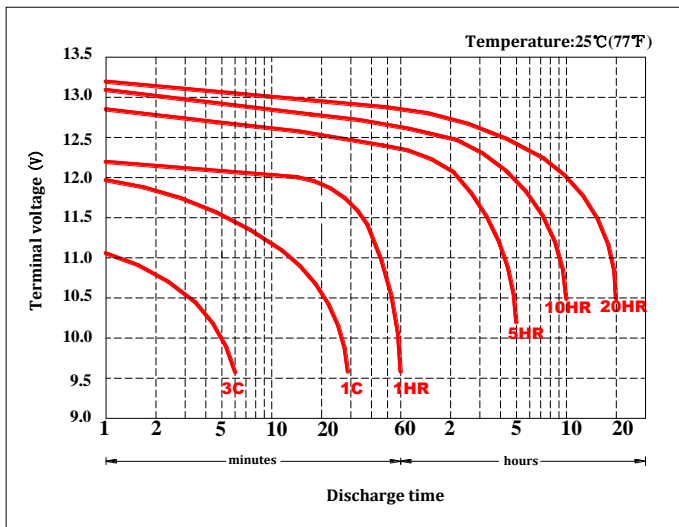
Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H
1.75V	295	195.3	143.9	115.8	64.3	47.6	33.3	22.9	18.9	16.1	10.50

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

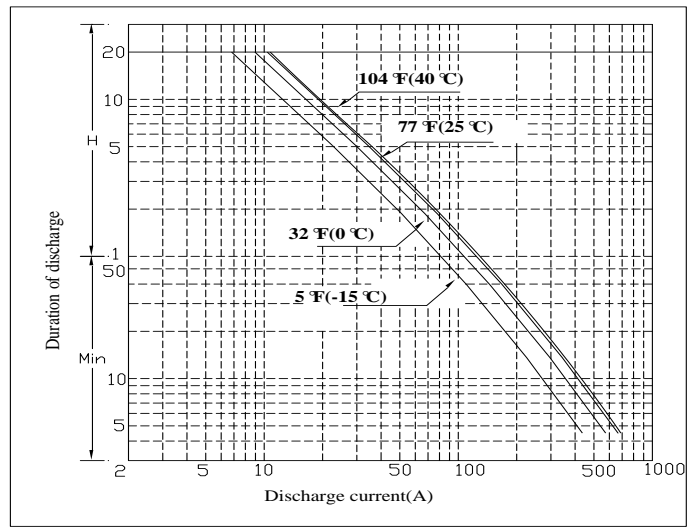


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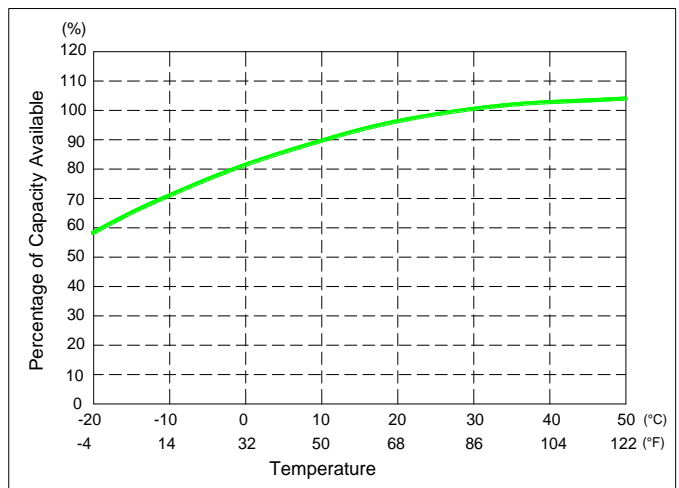
Terminal Voltage(V) and Discharge Time



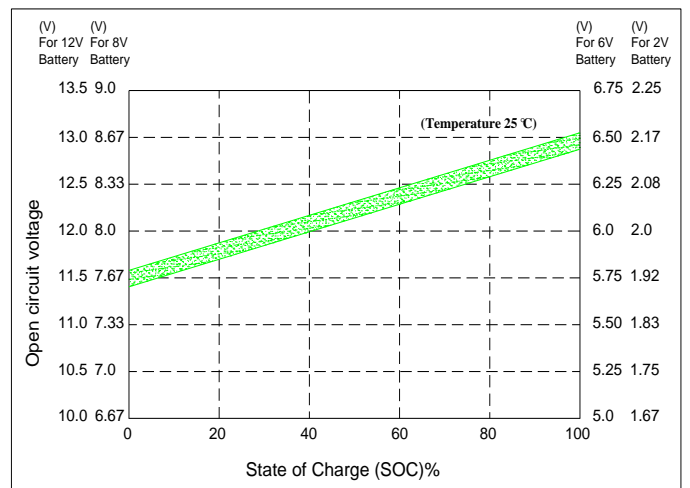
Duration of discharge vs. Discharge current



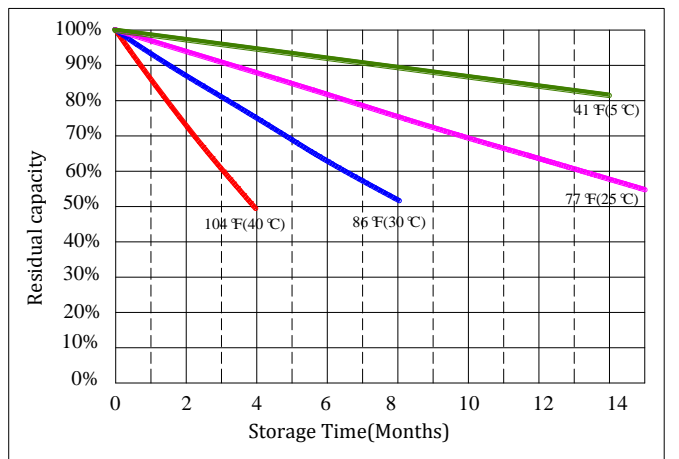
Percent Capacity vs. Temperature



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



Capacity Retention Characteristic



Cycle Life vs. Depth of Discharge(DOD)

