

DC65-12B DATA SHEET



DC65-12B

65AH@20HR

12-Volt

DEEP CYCLE

Maintenance-Free
Sealed AGM Battery

Nominal Specifications

Battery Model	DC65-12B	Rated Capacity	65AH/20HR
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Mechanical Specifications

Group Size	34	
Overall Height (H)	186.5±2mm	7.34"
Container Height (h)	182.5±2mm	7.19"
Length	261±2mm	10.28"
Width	171.5±2mm	6.75"
Weight	Approx.21.3kg	46.96lbs.
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.

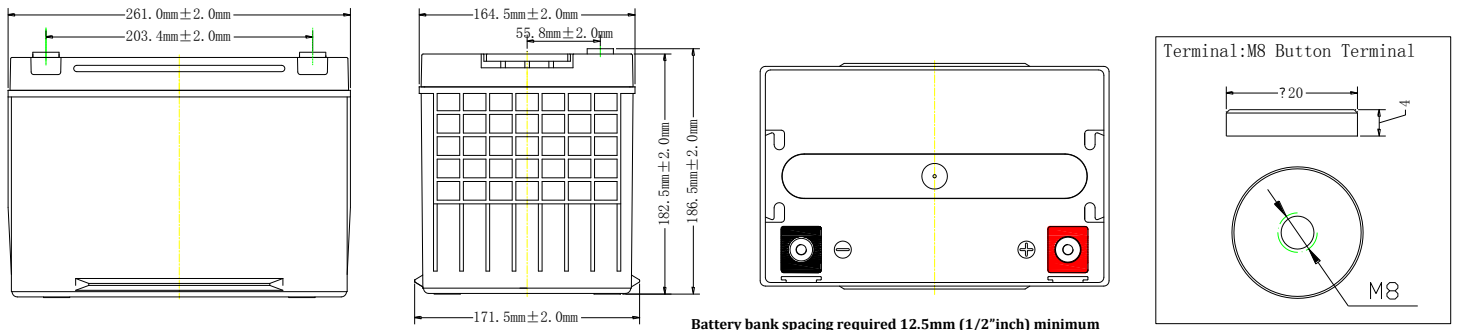
Electrical Specifications

C100	72AH
C20	65AH
C10	58.5AH
C5	53 AH
CCA	490A
CA or MCA	585A
HPCA	700A
Max. Discharge Current	900A (5s)
Internal Resistance	5mΩ
Reserve Capacity	
Reserve @25 AMPS	103 Minutes
Reserve @75 AMPS	26 Minutes

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)	16.3A	
Charging Temperature Compensation	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)

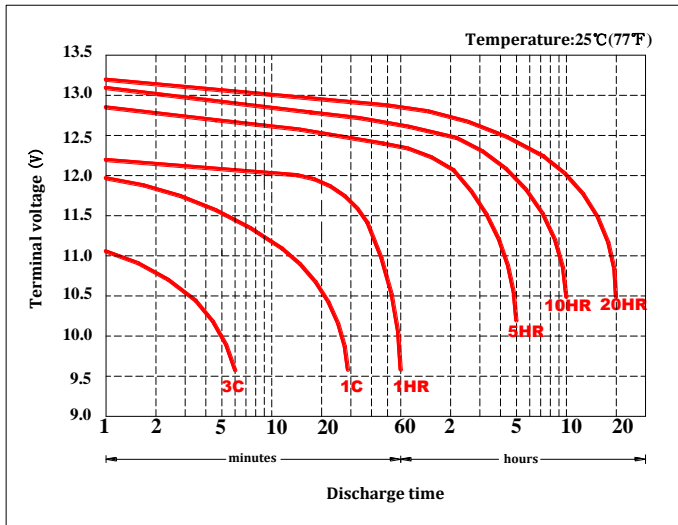
Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H
1.75V	98	60	45	36.4	20	15.5	10.3	7.1	5.85	4.98	3.25

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

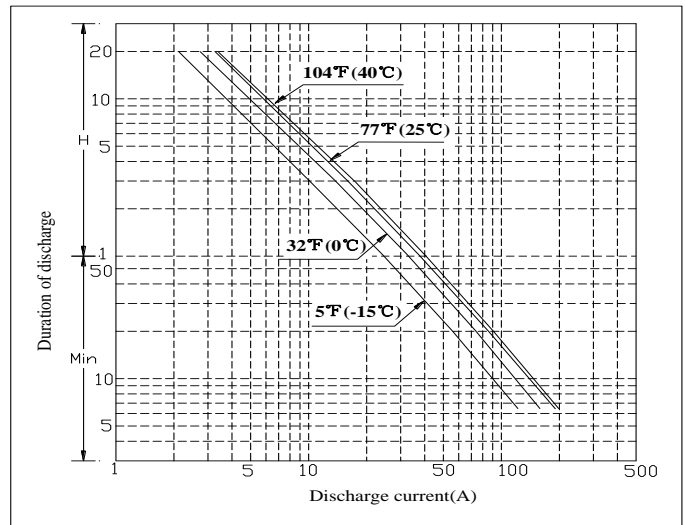


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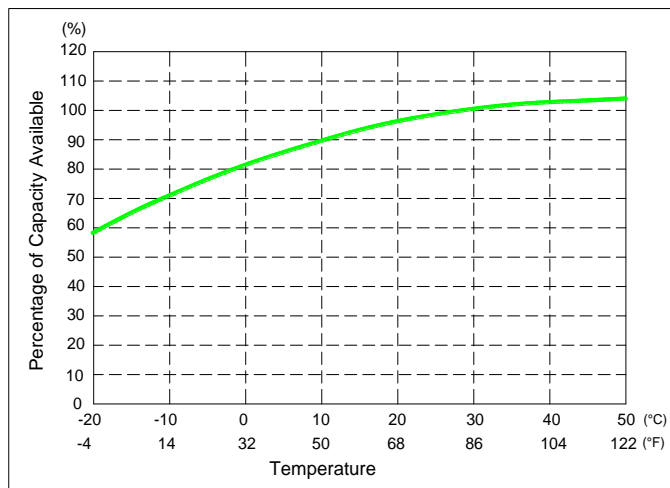
Terminal Voltage(V) and Discharge Time



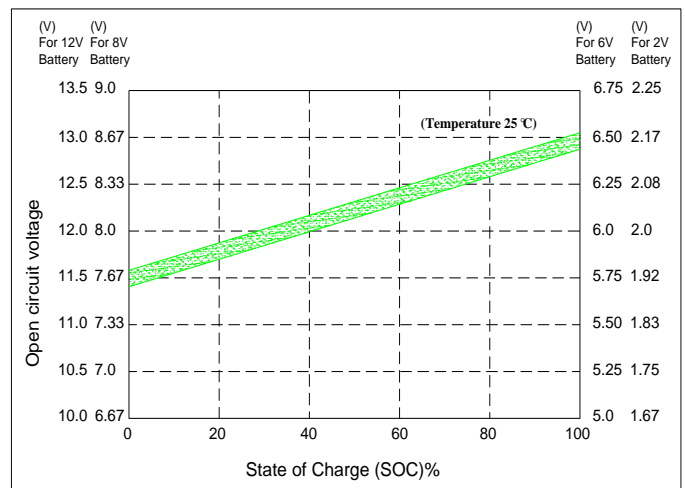
Duration of discharge vs. Discharge current



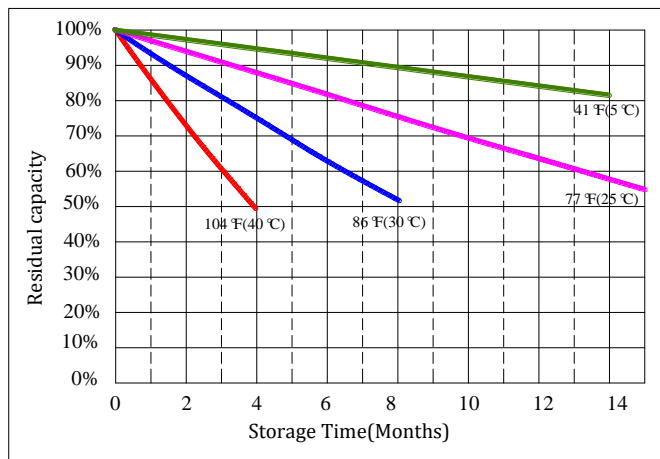
Percent Capacity vs. Temperature



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



Capacity Retention Characteristic



Cycle Life vs. Depth of Discharge(DOD)

