DC260-12 DATA SHEET



DC260-12

260AH@20HR
12-Volt

DEEP CYCLE

Maintenance-Free
Sealed AGM Battery

Nominal Specifications

Battery Model	DC260-12	Rated Capacity	260AH/20HR

Mechanical Specifications

Group Size	8D	
Overall Height (H)	224±2mm	8.82"
Container Height (h)	220±2mm	8.66"
Length	521±2mm	20.51"
Width	269±2mm	10.59"
Weight	Approx.78kg	171.96lbs.
Terminal Type	M8-Button Terminal	
Terminal Torque	9.6-10.7 N.m	
Container Material	ABS：Standard（UL 94-HB）	

Electrical Specifications

C100	276AH
C20	260AH
C10	234AH
C5	213AH
CCA	1260A
CA or MCA	1510A
HPCA	1810A
Max. Discharge Current	2600A (5s)
Internal Resistance	2.5mΩ

Reserve Capacity

Reserve @25 AMPS	578Minutes
Reserve @75 AMPS	145Minutes

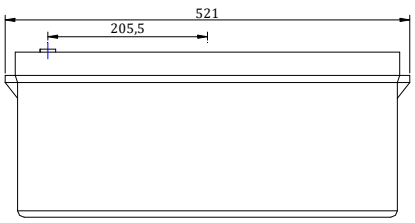
Temperature Range Specifications

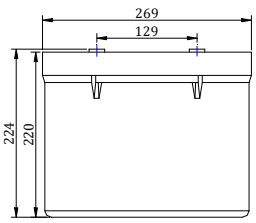
Operating Temperature Range	Discharge : -15℃ ~+ 50℃ (5℉~122℉)
	Charge: 0℃ ~ +40℃ (32℉~104℉)
	Storage: -15℃ ~ +40℃ (5℉~104℉)
Recommended Operating Temperature Range	+74℉(23℃) to +80℉(27℃)
Self-Discharge	Less than 10% after 90 days, can be stored up to 6 months at 25℃ (77℉);Fully recharging is required before usage, For higher temperatures the time interval will be shorter.

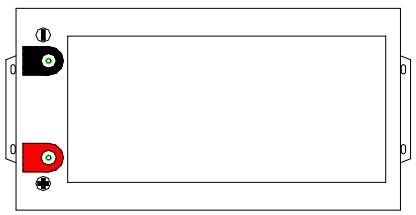
Charge Voltages

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)	65A	
Charging Temperature Compensation	Cycle use	-4mV/cell/℃
	Float use	-3mV/cell/℃

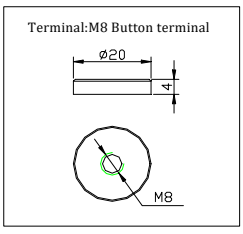
BATTERY & TERMINAL DIMENSIONS (All units shown in mm)







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



Constant Current Discharge Rating Amperes @ 77℉(25℃)

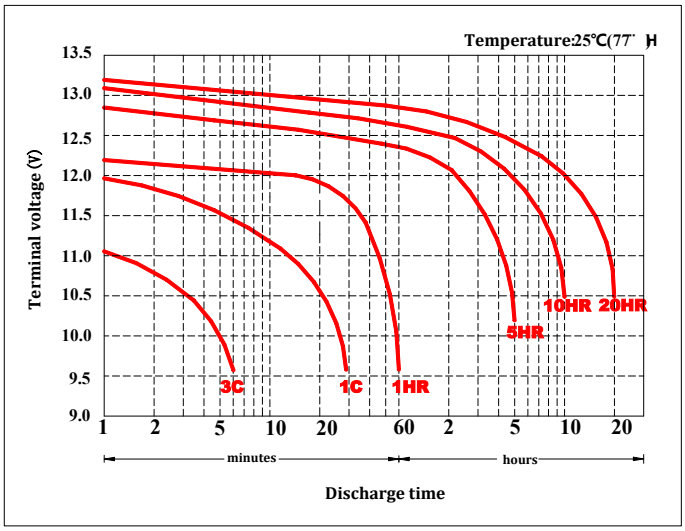
Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H
1.75V	379	233	172	147.8	78.3	58.9	41.3	28.3	23.40	19.93	13.00

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

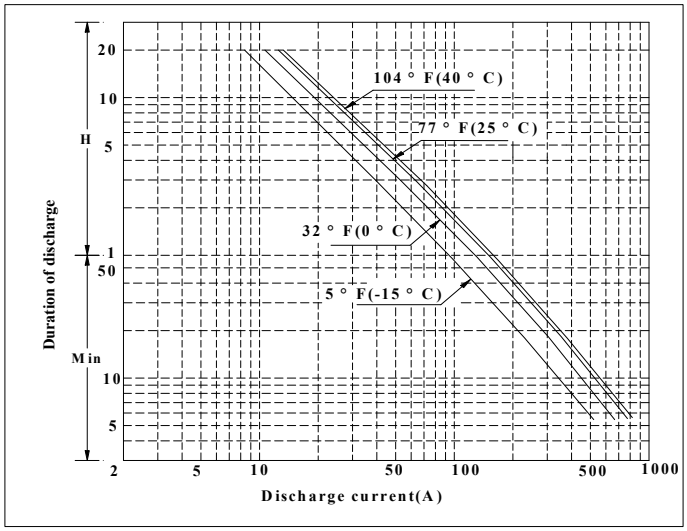
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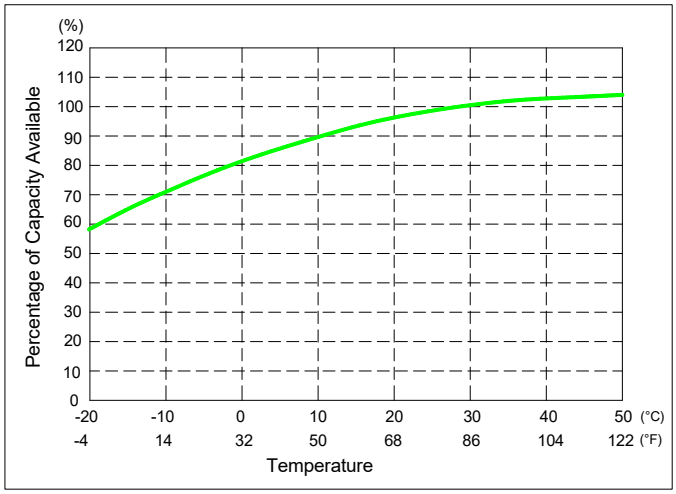
Terminal Voltage(V) and Discharge Time



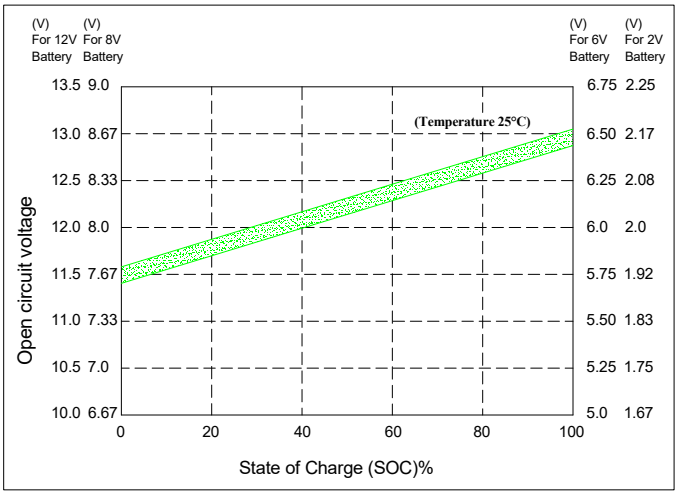
Duration of discharge vs. Discharge current



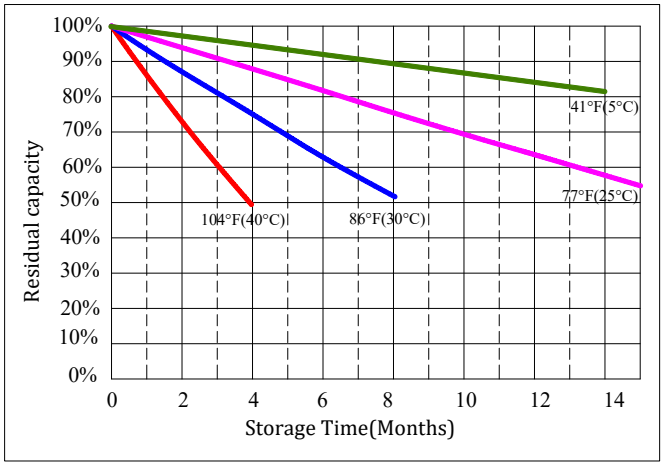
Percent Capacity vs. Temperature



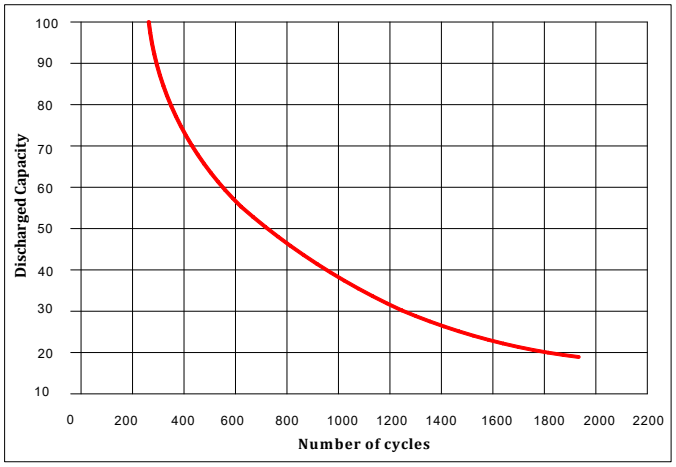
State of Charge(SOC) vs Open Circuit



Capacity Retention Characteristic



Cycle Life vs. Depth of Discharge(DOD)



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