DC1150-2 DATA SHEET

DC1150-2

1150AH@20HR
2-Volt

DEEP CYCLE

Maintenance-Free
Sealed AGM Battery

Nominal Specifications

Battery Model	DC1150-2	Rated Capacity	1150AH/20HR

Mechanical Specifications

Group Size	L16	
Overall Height (H)	411±2mm	16.18"
Container Height (h)	404±2mm	15.91"
Length	295±2mm	11.61"
Width	179±2mm	7.05"
Weight	Approx.58kg	127.87lbs.
Terminal Type	M10-Button Terminal	
Terminal Torque	13-16 N.m	
Container Material	ABS：Standard（UL 94-HB）	

Electrical Specifications

C100	1275AH
C20	1150AH
C10	1040AH
C5	945AH
CCA	/
CA or MCA	/
HPCA	/
Max. Discharge Current	2000A (5s)
Internal Resistance	0.35mΩ

Reserve Capacity

Reserve @25 AMPS	2235Minutes
Reserve @75 AMPS	758Minutes

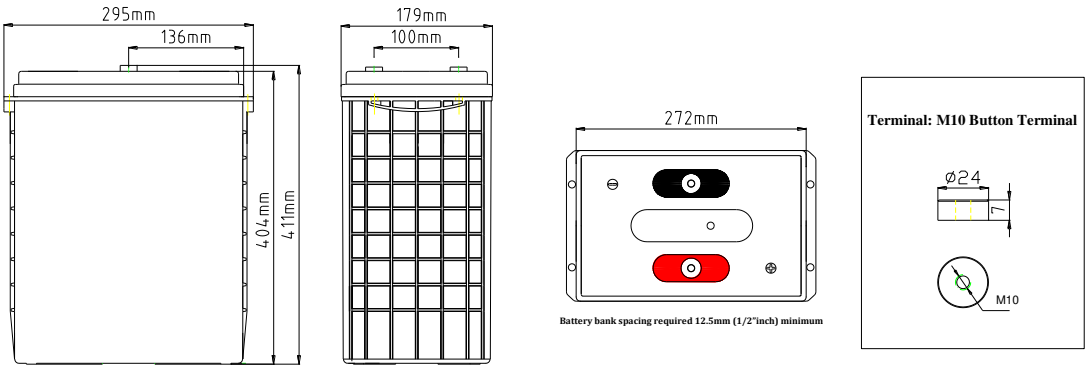
Temperature Range Specifications

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.

Charge Voltages

Float Charging Voltage	2.25 to 2.30 VDC/unit@ (25°C)	
Equalization and Cycle Service Charging Voltage	2.38 to 2.42 VDC/unit @(25°C)	
Maximum Charge Current(A)	230A	
Charging Temperature Compensation	Cycle use	-4mV/cell/℃
	Float use	-3mV/cell/℃

BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



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

Cut off voltage V/cell	1H	2H	3H	5H	8H	10H	12H	20H	24H	72H	100H
1.75V	616	351	262	184	126.5	104	89	57.5	48.9	17.4	12.75

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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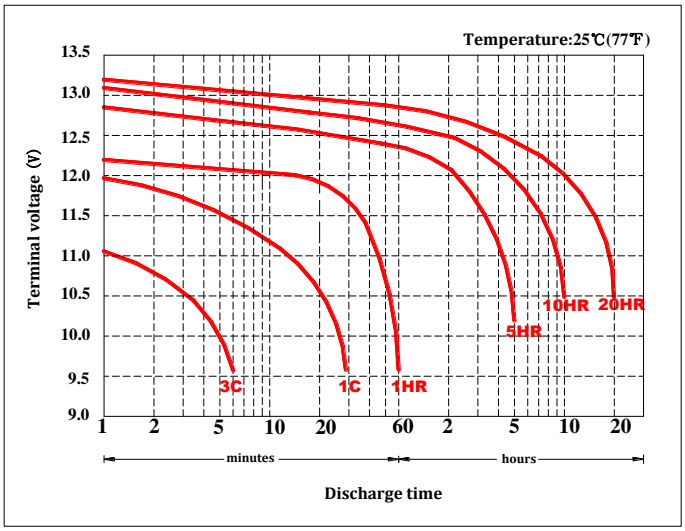
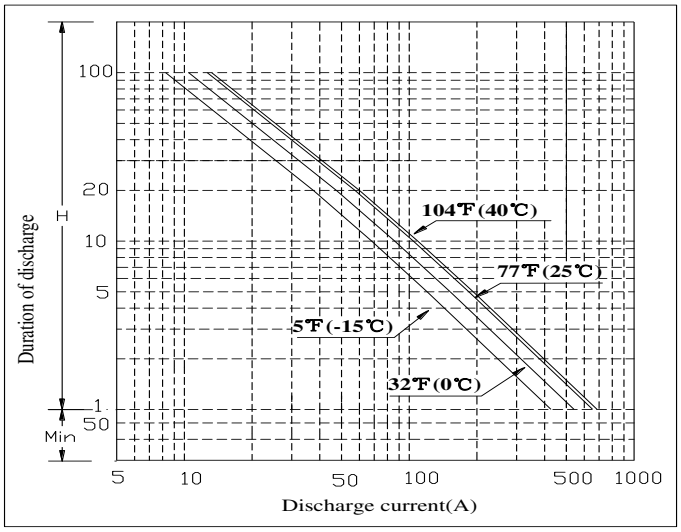
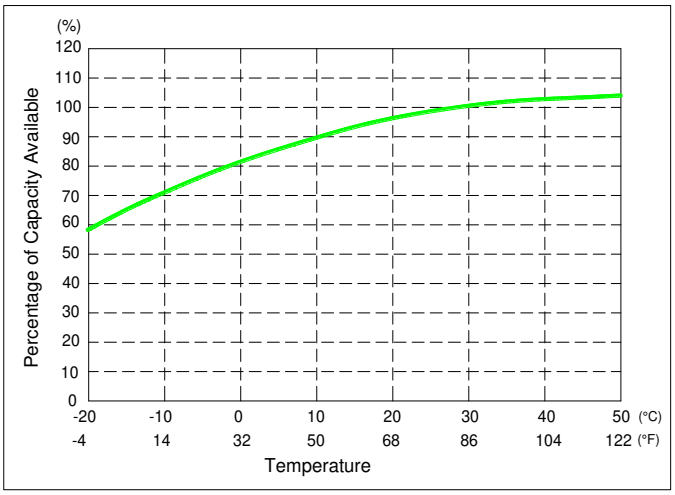
Terminal Voltage(V) and Discharge Time



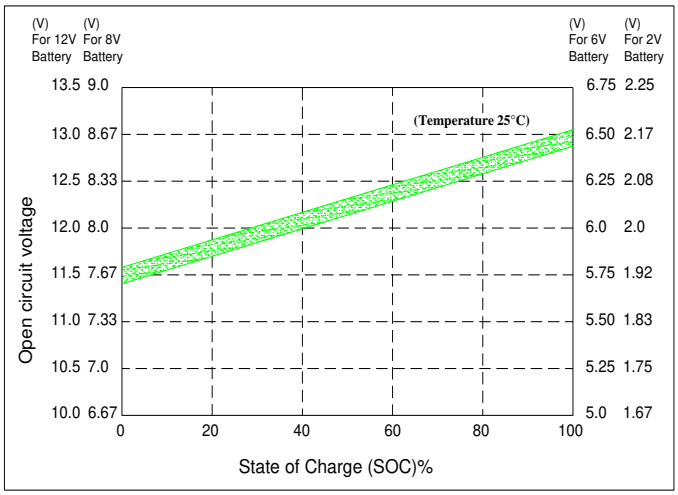
Duration of discharge vs. Discharge current



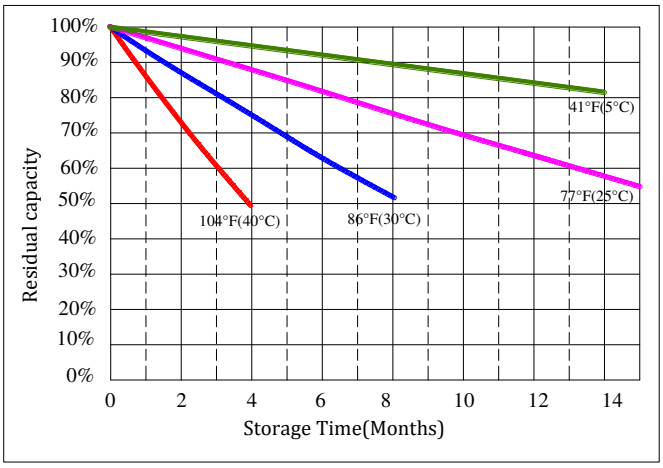
Percent Capacity vs. Temperature



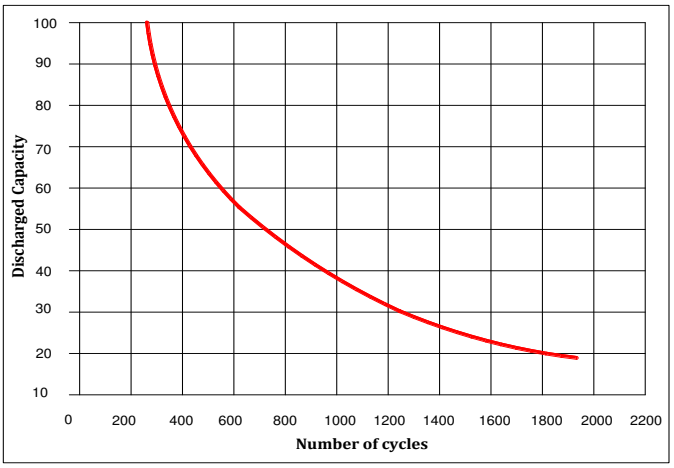
State of Charge(SOC) vs Open Circuit Voltage(OCV)



Capacity Retention Characteristic



Cycle Life vs. Depth of Discharge(DOD)



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