



BLU SERIES

Sealed Lead-Acid Power Cell

Absorbant Glass Mat (AGM) technology for superior performance. Valve regulated, spill proof construction allows safe operation in any position. Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified. U.L. recognized under file number MH 20567.

UPG No. 40927
HC2000-BLU
GROUP SIZE 27



Specification

Nominal Voltage			12 volts
Nominal Capacity			77° F (25° C)
20-hr.	(4.50A)		90.0 Ah
10-hr.	(8.37A)		83.7 Ah
5-hr.	(15.3A)		76.5 Ah
1-hr.	(54.0A)		54.0Ah
Max. Wattage			2000 W
Approximate Weight			59.5 lbs (27.0 kg)
Internal Resistance (approx.)			7mΩ
Shelf Life (% of normal capacity at 77° F (25° C)			
3 Months		6 Months	12 Months
91%		82%	64%
Temperature Dependency of Capacity			(20 hour rate)
104° F	77° F	32° F	5° F
102%	100%	85%	65%
AGM Operational Temperature			
Charge			0°C to 40°C
Discharge			-15°C to 45°C
AGM Storage Temperature			-15°C to 40°C

Due to continuous improvements to our products, product may vary slightly from depiction.

Charge Method (Constant Voltage)

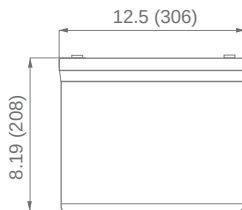
Cycle Use (Repeating Use)

Initial Current	27.0 A or smaller
Control Voltage	14.6-14.8 V

Float Use

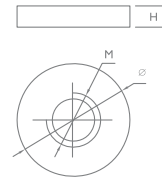
Control Voltage	13.6-13.8 V
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Physical Dimensions: in (mm)



L: 12.5 in (306 mm)
W: 6.61 in (168 mm)
H: 8.19 in (208 mm)
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

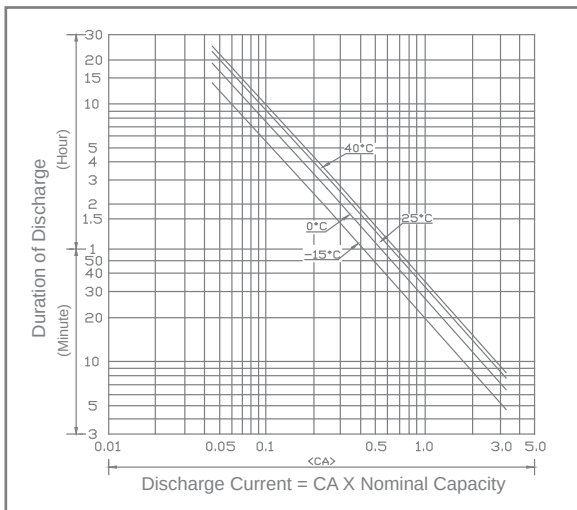
TERMINALS (Internal Thread 3/8")



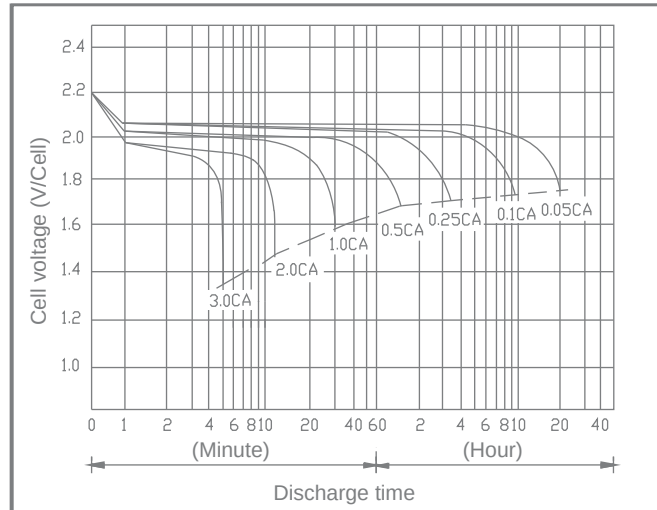
Type	Dimension	M	Ø	H
Internal Thread		7.88 mm .312 in	15.8 mm 0.62 in	3.68 mm 0.14 in

Polarity
Positive on Left

DISCHARGE TIME VS. DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



All specifications are subject to change without notice.



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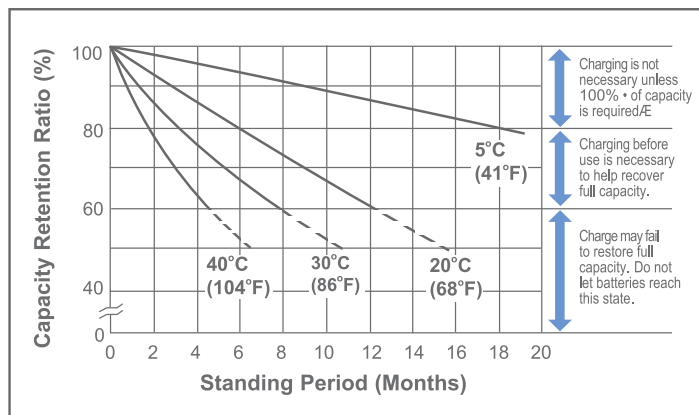
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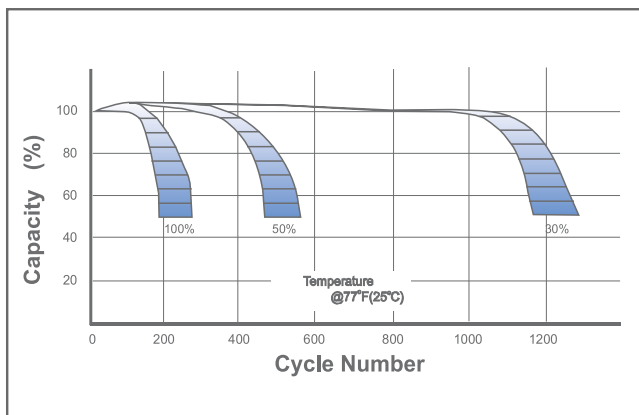
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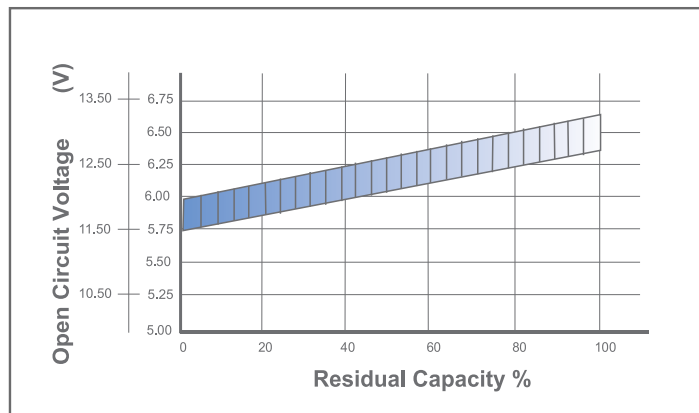
SHELF LIFE & STORAGE



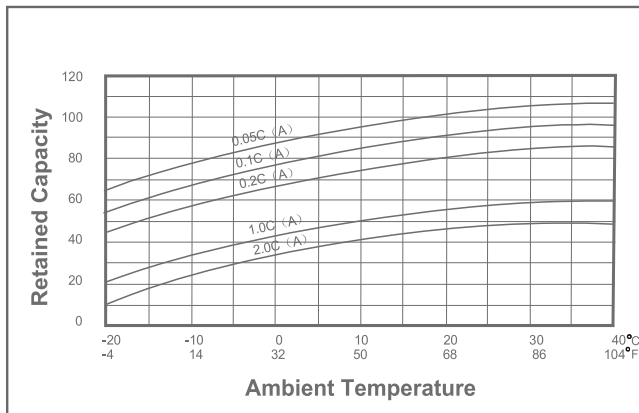
CYCLE LIFE VS DEPTH OF DISCHARGE



OPEN CIRCUIT VOLTAGE VS RESIDUAL CAPACITY



EFFECT OF TEMPERATURE ON CAPACITY



CHARGE CURRENT & FINAL DISCHARGE VOLTAGE

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.43~2.47	0.30C
Standby	25°C(77°F)	2.28	2.27~2.30	

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

