

EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

BCN(G)-2V1000



Application

Emergency Light Systems
Fire & Security System
Cars & other Starting Applications
Medical Equipment
Uninterruptible Power Supply(UPS)
Railway signal
Communication Power Supply
DC Power Supply

Batteries come standard with a special tray

BATTERY BCN(G)-2V1000AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		1000Ah
Dimensions	Total Height (with terminals)	14.38 inches(365mm)
	Height	12.92 inches(328mm)
	Length	18.71 inches(475mm)
	Width	6.89 inches(175mm)
Weight		Approx.125.4 Pound(57.0kg)

Characteristics

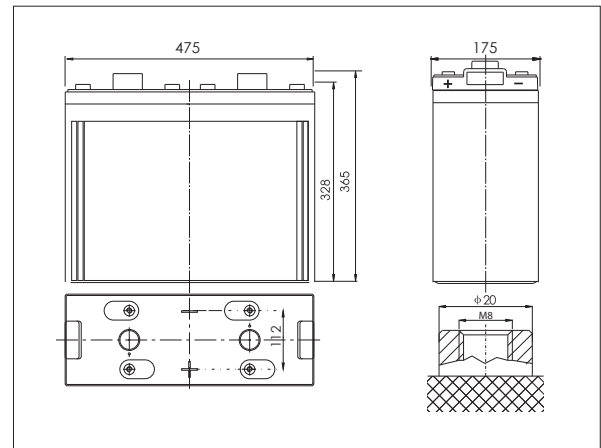
Capacity 77°F(25°C)	10 hour rate (100A)	1000 Ah
	5 hour rate (170A)	850Ah
	1hour rate (550A)	550 Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.3mΩ
Capacity Affected by Temperature (20hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	81%
	Capacity after 12 months storage	60%
Max. Discharge Current 77°F(25°C)	7000A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 200A
		Voltage 2.35 V / 77 °F (25 °C) Equalization temperature compensation coefficient: -4mV/ °C
	Float	Voltage 2.25 V / 77 °F (25 °C) Compensation coefficient of floating charging temperature: -3mV/ °C

Constant Current Discharge (Amperes @25°C)

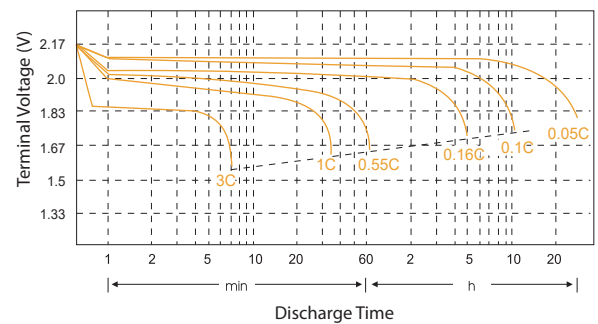
F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	1850	1500	1080	583	259	189	125	108	57.1
1.65	1780	1450	1040	561	258	188	124	107	56.6
1.70	1680	1380	943	557	257	186	121	105	55.6
1.75	1480	1300	832	550	255	177	120	104	55.1
1.80	1420	1250	800	531	250	170	116	100	55.0
1.85	1160	1090	736	489	245	164	111	96.2	50.9

Constant Power Discharge (Watts Per Cell@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	3238	2700	1944	1108	505	359	236	204	108
1.65	3115	2610	1872	1066	503	357	236	204	108
1.70	3024	2484	1745	1058	501	353	233	202	106
1.75	2687	2405	1539	1045	497	336	231	200	105
1.80	2589	2313	1480	1009	488	323	225	195	105
1.85	2146	2017	1362	929	478	312	219	190	96.7



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

