

EMERGENCY LIGHT SYSTEM



FIRE & SECURITY SYSTEM



CAR & OTHER STARTING APPLICATIONS



ELECTRO-MEDICAL DEVICES



UPS



RAILWAY SIGNAL



COMMUNICATIONS POWER SUPPLY



DC POWER SUPPLY

BCN(G)-2V200



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)-2V200AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		200Ah
Dimensions	Total Height (with terminals)	14.38 inches(365mm)
	Height	12.96 inches(329mm)
	Length	6.77 inches (172mm)
	Width	4.37 inches(111mm)
Weight		Approx. 28.60 Pound (13.0kg)

Characteristics

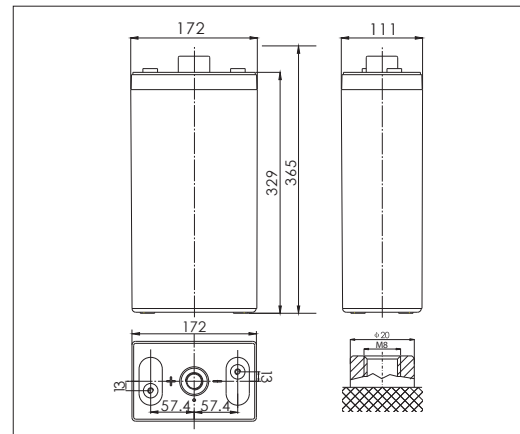
Capacity 77°F(25°C)	10 hour rate (20A)	200Ah
	5 hour rate (34A)	170Ah
	1 hour rate (110A)	110Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.9mΩ
Capacity Affected by Temperature (20hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
Self-Discharge 77°F(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	81%
	Capacity after 12 months storage	60%
Max. Discharge Current 77°F(25°C)	1500A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 40A 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)

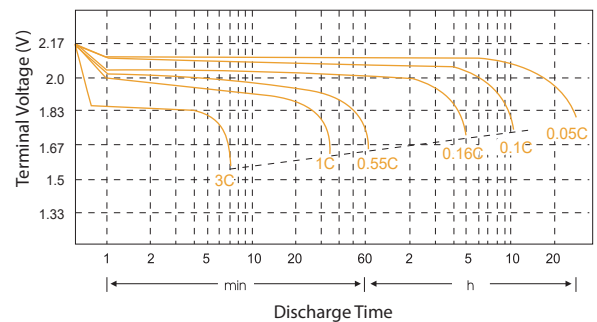
F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	370	300	216	117	51.8	37.8	24.9	21.6	11.4
1.65	356	290	208	112	51.6	37.6	24.7	21.4	11.3
1.70	336	276	189	111	51.4	37.2	24.3	21.0	11.1
1.75	296	260	166	110	51.0	35.4	24.0	20.8	11.0
1.80	282	250	160	106	50.0	34.0	23.1	20.0	11.0
1.85	232	218	147	97.8	49.0	32.8	22.2	19.2	10.2

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

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	685	555	400	236	106	71.8	47.4	41.0	21.7
1.65	659	537	385	224	105	71.4	47.0	40.7	21.5
1.70	622	498	350	222	103	70.7	46.1	39.9	21.1
1.75	548	494	323	220	101	67.3	45.6	39.5	20.9
1.80	522	475	312	201	98.0	64.6	43.9	38.0	20.9
1.85	452	425	287	186	93.1	62.3	42.2	36.5	19.4



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

