

EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

BCN(G)-2V300



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)-2V300AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		300A
Dimensions	Total Height (with terminals)	14.41 inches(366mm)
	Height	12.99 inches(330mm)
	Length	6.73 inches(171mm)
	Width	5.94 inches(151mm)
Weight		Approx. 39.60 Pound(18.0kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (30.0A)	300Ah
	5 hour rate (51.0A)	255Ah
	1 hour rate (165 A)	165Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.8mΩ
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)	2100A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 60A
		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

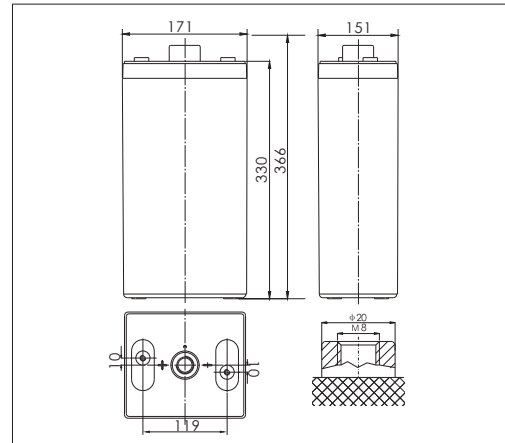
Constant Current Discharge (Amperes @25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	555	450	324	175	77.7	56.7	37.4	32.4	17.1
1.65	534	435	312	168	77.4	56.4	37.1	32.1	17.0
1.70	504	414	283	167	77.1	55.8	36.4	31.5	16.7
1.75	444	390	250	165	76.5	53.1	36.0	31.2	16.5
1.80	426	375	240	159	75.0	51.0	34.7	30.0	16.5
1.85	348	327	221	147	73.5	49.2	33.4	28.9	15.3

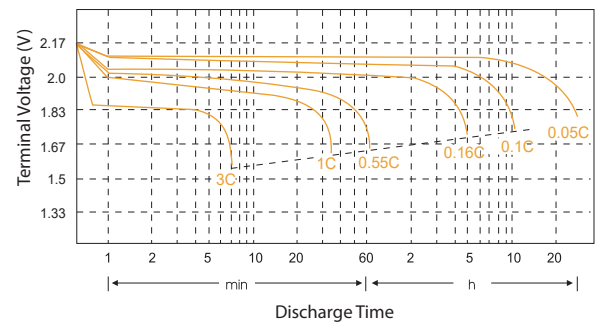
Constant Power Discharge (Watts Per Cell@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	1055	855	616	341	156	108	69.3	60.0	31.8
1.65	1015	827	593	328	154	107	68.6	59.4	31.5
1.70	958	787	538	326	152	106	67.3	58.3	31.0
1.75	844	741	475	322	149	104	67.1	58.1	30.6
1.80	809	713	456	310	146	99.5	66.4	57.5	30.6
1.85	661	621	420	287	143	95.9	65.4	56.6	29.1

• Manufactured by factory with ISO 9001, ISO 14001, OHSAS 18001, CE, UL STANDARD



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

