

EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

BCN(G)-2V3000



Batteries come standard with a special tray

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

BATTERY BCN(G)-2V3000AH
Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		3000Ah
Dimensions	Total Height (with terminals)	15.0 inches(382mm)
	Height	13.4 inches(341mm)
	Length	28.0 inches(712mm)
	Width	13.9 inches(353mm)
Weight		Approx. 382.8 Pound (174kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (300A)	3000Ah
	5 hour rate (510A)	2550Ah
	1 hour rate (1650A)	1650Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.18mΩ
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)	15000A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 600A Voltage 2.35 V / 77 °F (25 °C) Equalization temperature compensation coefficient: -4mV/°C
	Float	Compensation coefficient of floating charging temperature: -3mV/°C

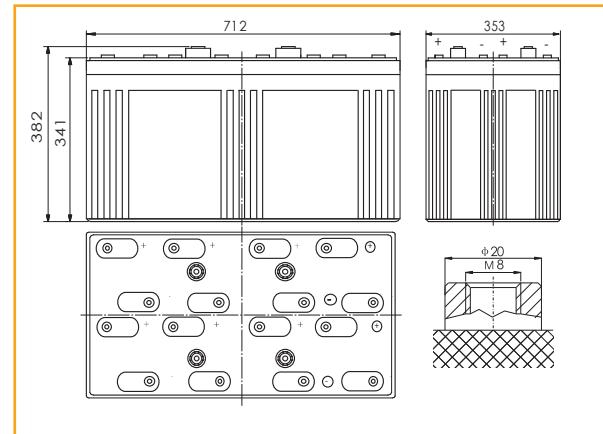
Constant Current Discharge (Amperes @25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	5550	4500	3240	1749	777	567	374	324	171
1.65	5340	4350	3120	1683	774	564	371	321	170
1.70	5040	4140	2829	1671	771	558	364	315	167
1.75	4440	3900	2496	1650	765	531	360	312	165
1.80	4260	3750	2400	1593	750	510	347	300	165
1.85	3480	3270	2208	1467	735	492	334	289	153

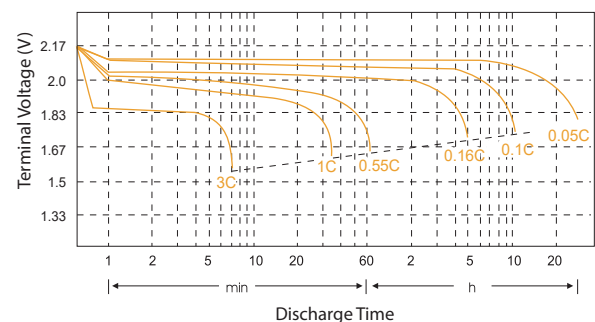
Constant Power Discharge (Watts Per Cell@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	9435	7650	5508	3411	1515	1077	711	616	325
1.65	9078	7525	5304	3282	1509	1072	705	610	323
1.70	8568	7245	4951	3258	1503	1060	692	599	317
1.75	7592	7020	4493	3217	1492	1009	685	593	314
1.80	7455	6750	4320	3106	1463	969	658	570	313
1.85	6612	6213	4195	2861	1433	935	634	549	291

• 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

