

BCN®
Uninterruptible Power Supply



EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

BCN(G)-2V1200



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)-2V1200AH
Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		1200AH
Dimensions	Total Height (with terminals)	15.04 inches (382mm)
	Height	13.54 inches (344mm)
	Length	15.79 inches (401mm)
	Width	13.82 inches (351mm)
Weight		Approx. 176.0 Pound (80.0kg)

Characteristics

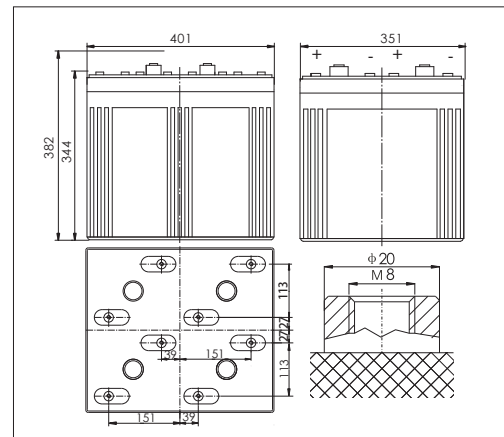
Capacity 77°F(25°C)	10 hour rate (120 A)	1200Ah
	5 hour rate (204 A)	1020Ah
	1 hour rate (660A)	660Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.3mΩ
Capacity Affected by Temperature (20hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	81%
	Capacity after 12 months storage	60%
Max. Discharge Current 77°F(25°C)	8400A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 240A 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)

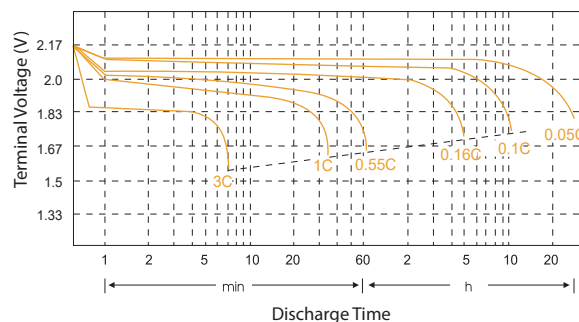
F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	2220	1800	1296	700	311	227	150	130	68.5
1.65	2136	1740	1248	673	310	226	148	128	67.9
1.70	2016	1656	1132	668	308	223	146	126	66.7
1.75	1776	1560	998	660	306	212	144	125	66.1
1.80	1704	1500	960	637	300	204	139	120	66.0
1.85	1392	1308	883	587	294	197	133	115	61.1

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

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	3885	3150	2268	1330	606	431	285	247	130
1.65	3738	3045	2184	1279	604	429	281	243	129
1.70	3528	2947	2038	1269	601	424	276	239	127
1.75	3108	2808	1846	1254	597	403	274	237	126
1.80	3033	2700	1776	1210	585	388	263	228	125
1.85	2617	2420	1634	1115	573	374	253	219	116



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

