

EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

BCN(G)-2V600



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)-2V600AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		600Ah
Dimensions	Total Height (with terminals)	13.23 inches(366mm)
	Height	13.04 inches(331mm)
	Length	11.85 inches(301mm)
	Width	6.89 inches(175mm)
Weight		Approx. 77.0 Pound (35.0kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (60A)	600Ah
	5 hour rate (102A)	510Ah
	1 hour rate (330A)	330Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.5mΩ
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)	4200A (5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 120A Voltage 2.35 V / 77°F (25°C) Equalization temperature compensation coefficient: -4mV/C
		Voltage 2.25 V / 77°F (25°C) Compensation coefficient of floating charging temperature: -3mV/C
	Float	

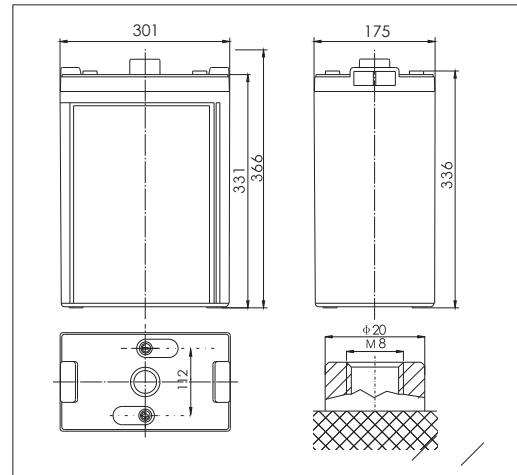
Constant Current Discharge (Amperes @25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	1110	900	648	350	155	113	74.8	64.8	34.3
1.65	1068	870	624	337	154	112	74.2	64.2	34.0
1.70	1008	828	566	334	154	111	72.3	63.0	33.4
1.75	888	780	499	330	153	106	72.1	62.4	33.1
1.80	852	750	480	319	150	102	69.4	60.0	33.0
1.85	696	654	442	293	147	98.4	66.6	57.7	30.5

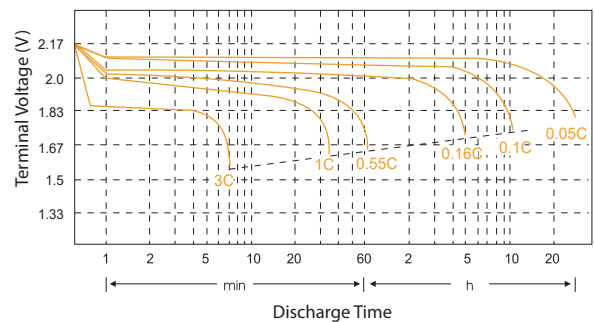
Constant Power Discharge (Watts Per Cell@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	1970	1620	1199	683	302	215	142	123	65.2
1.65	1901	1566	1154	657	300	213	141	122	64.6
1.70	1814	1490	1047	651	300	211	139	120	63.5
1.75	1598	1443	923	644	298	201	137	119	62.9
1.80	1534	1387	888	622	293	194	132	114	62.7
1.85	1288	1210	818	571	287	187	131	113	59.5

• 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

