

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)-2V400



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)-2V400AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		400Ah
Dimensions	Total Height (with terminals)	14.29 inches(363mm)
	Height	12.95 inches(329mm)
	Length	8.27 inches(210mm)
	Width	6.73 inches(171mm)
Weight		Approx. 53.9 Pound (24.5kg)

Characteristics

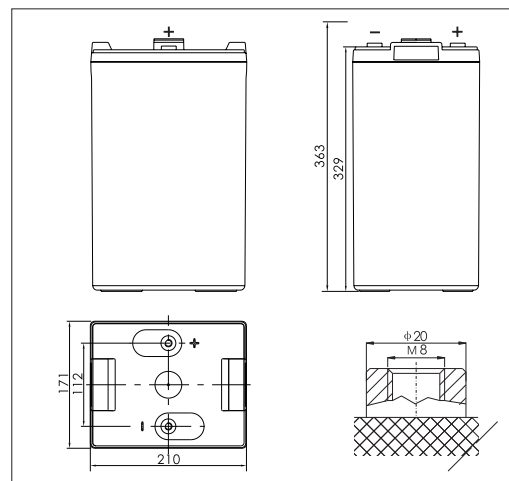
Capacity 77°F(25°C)	10hour rate (40A)	400Ah
	5hour rate (68A)	340Ah
	1hour rate (220A)	220Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.6mΩ
Capacity Affected by Temperature (20hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	81%
	Capacity after 12 months storage	60%
Max. Discharge Current 77°F(25°C)	2800A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 80A 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)

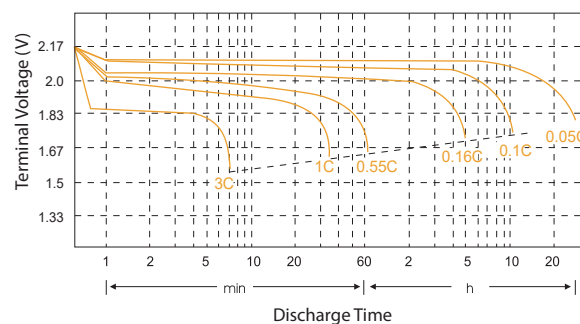
F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	740	600	432	233	104	75.6	49.9	43.2	22.8
1.65	712	580	416	224	103	75.2	49.4	42.8	22.6
1.70	672	552	377	223	103	74.4	48.5	42.0	22.2
1.75	592	520	333	220	102	70.8	48.0	41.6	22.1
1.80	568	500	320	212	100	68.0	46.2	40.0	22.0
1.85	464	436	294	196	98.0	65.6	44.5	38.5	20.4

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

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	1332	1110	821	454	203	147	97.3	84.2	43.3
1.65	1282	1073	790	437	201	147	96.4	83.5	42.9
1.70	1223	1021	716	435	201	145	94.6	81.9	42.2
1.75	1095	988	649	429	199	138	93.7	81.1	42.0
1.80	1051	950	624	413	195	133	90.1	78.0	41.8
1.85	882	828	573	382	191	128	86.7	75.1	38.8



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

