

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-12V55



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 12V55AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		55Ah
Dimensions	Total Height (with terminals)	8.42 inches (216mm)
	Height	8.23 inches (211mm)
	Length	9.02 inches (229mm)
	Width	5.38 inches (138mm)
Weight		Approx. 40.70 Pound (18.5kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (5.5A)	55Ah
	5 hour rate (8.8A)	44Ah
	1 hour rate (33A)	33Ah
	15 minute rate (90.4A)	22.6Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	6.5 mΩ
Capacity Affected by Temperature (20 hour 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)	550A(5S)	
Terminal	T1	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 16.5A Voltage 14.1 V / 77 °F (25 °C) Equalization temperature compensation coefficient: -24mV / °C
	Float	Voltage 13.5V / 77 °F (25 °C) Compensation coefficient of floating charging temperature: -18mV / °C

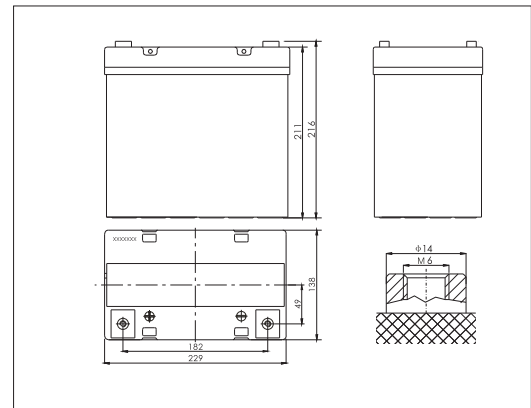
Constant Current Discharge (Amperes @25 °C)

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	124	90.4	59.5	35.8	20.6	14.8	11.4	9.73	6.79	5.88	3.31
1.65	119	86.9	57.2	34.4	19.8	14.7	11.3	9.68	6.72	5.85	3.29
1.70	113	86.2	50.0	33.8	19.6	14.5	10.9	9.63	6.55	5.80	3.23
1.75	99.0	78.4	49.1	33.0	19.3	14.4	10.5	9.30	6.41	5.72	3.16
1.80	95.2	75.4	47.2	31.7	18.6	13.8	10.1	8.80	6.16	5.50	3.03
1.85	78.1	65.6	43.4	29.2	17.9	13.5	9.58	8.46	5.85	5.29	2.89

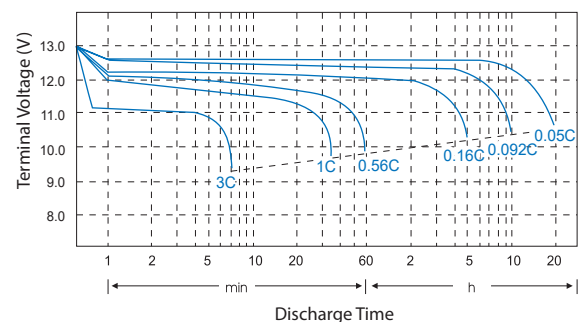
Constant Power Discharge (Watts Per Cell@25 °C)

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	245	190	113	71.0	42.2	29.9	23.4	19.4	12.0	11.8	6.29
1.65	231	182	111	69.3	41.4	29.3	22.9	19.0	12.0	11.7	6.25
1.70	219	173	110	67.7	40.6	28.7	22.5	18.7	12.0	11.4	6.14
1.75	206	166	108	66.2	39.4	28.1	22.1	18.5	11.9	11.1	6.00
1.80	191	158	107	64.5	38.3	27.4	21.7	18.3	11.8	10.5	5.76
1.85	158	133	86.0	62.0	37.1	26.6	20.8	17.1	11.7	10.1	5.49

- Manufactured by factory with ISO 9001, ISO 14001, OHSAS 18001, CE, UL STANDARAD



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

