

EMERGENCY LIGHT SYSTEM



FIRE & SECURITY SYSTEM



CAR & OTHER STARTING APPLICATIONS



ELECTRO-MEDICAL DEVICES



UPS



RAILWAY SIGNAL



COMMUNICATIONS POWER SUPPLY



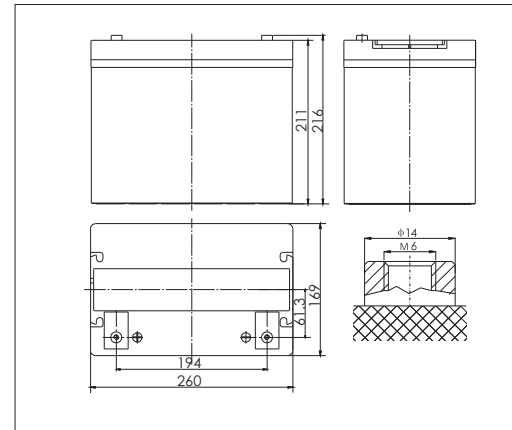
DC POWER SUPPLY

BCN-12V75



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 12V75AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		75Ah
Dimensions	Total Height (with terminals)	8.51 inches(216mm)
	Height	8.31 inches(211mm)
	Length	10.24 inches(260mm)
	Width	6.65 inches(169mm)
Weight		Approx. 48.4 Pound(22.0kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (7.5A)	75Ah
	5 hour rate (12.0A)	60Ah
	1 hour rate (45.0A)	45Ah
	15 minute rate (122A)	30.5Ah
Internal Resistance		Full Charged Battery 77°F(25°C) 7mΩ
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)		675A(5S)
Terminal		T1
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 22.5A
		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)

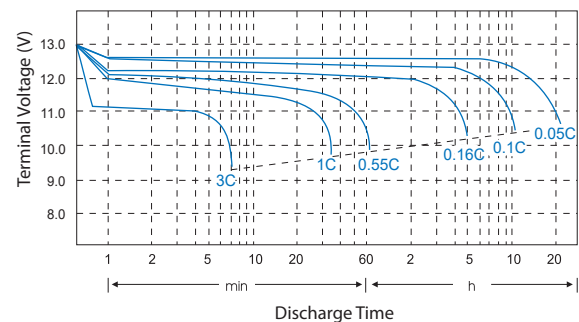
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	169	122	79.6	48.7	28.1	19.8	15.5	13.3	9.19	8.07	4.32
1.65	163	117	76.5	46.8	27.0	19.6	15.4	13.1	9.10	7.99	4.28
1.70	154	108	65.1	46.2	26.8	18.8	14.8	12.7	8.93	7.82	4.22
1.75	135	107	61.2	45.0	26.2	18.4	14.3	12.0	8.74	7.50	4.13
1.80	130	103	58.8	43.3	25.2	17.7	13.7	11.5	8.40	7.21	3.98
1.85	106	89.4	54.1	39.8	24.2	16.8	13.0	10.9	7.98	6.85	3.78

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

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	293	224	147	89.1	52.3	36.7	28.9	24.1	16.4	15.3	8.21
1.65	290	222	143	88.2	51.6	36.3	28.6	23.9	16.3	15.2	8.13
1.70	284	216	140	86.5	50.3	36.0	28.2	23.4	16.0	14.9	8.02
1.75	265	210	128	86.3	49.7	35.5	27.9	23.2	15.9	14.3	7.85
1.80	247	196	120	85.8	48.9	34.7	27.5	23.1	15.6	13.7	7.56
1.85	204	172	111	79.8	47.8	34.3	26.7	22.0	15.0	13.0	7.18

• 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

