

EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

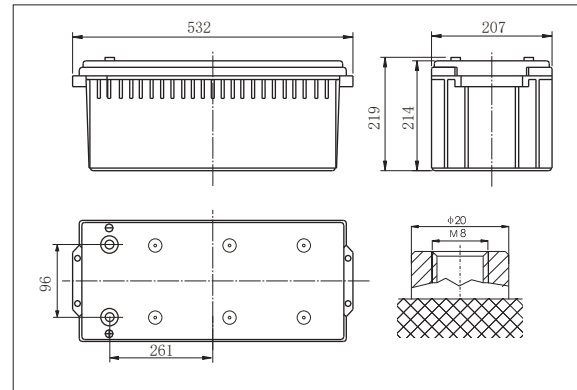
BCN-12V150



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 12V150AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		150Ah
Dimensions	Total Height (with terminals)	8.62 inches (219mm)
	Height	8.43 inches (214mm)
	Length	20.94 inches(532mm)
	Width	8.15 inches (207mm)
Weight		Approx.104.5 Pound(47.5kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (15.0A)	150Ah
	5 hour rate (24.0A)	120Ah
	1 hour rate (90.0A)	90Ah
	15 minute rate (246A)	61.5Ah
Internal Resistance		Full Charged Battery 77°F(25°C) 3.5mΩ
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)		1000A(5S)
Terminal		T3
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 45A
		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)

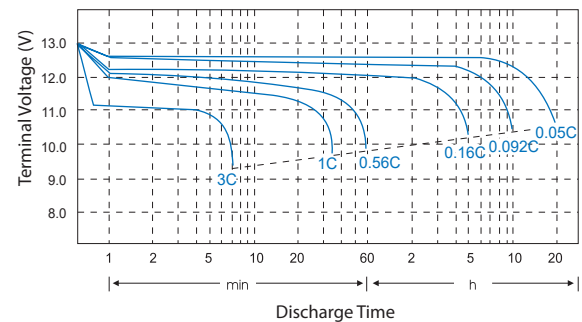
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	339	246	159	94.2	55.6	39.6	31.0	26.6	18.0	16.1	8.87
1.65	326	237	153	90.6	53.5	39.3	30.7	26.5	17.8	16.0	8.82
1.70	308	236	130	90.2	53.2	39.2	29.5	26.3	17.6	15.8	8.70
1.75	270	214	122	90.0	53.0	37.8	28.6	25.4	17.5	15.6	8.60
1.80	260	206	118	86.5	51.0	37.5	27.5	24.0	16.8	15.0	8.25
1.85	213	179	108	79.6	49.0	36.8	26.1	23.1	16.0	14.4	7.93

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

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	583	454	286	178	106	73.7	58.1	48.6	33.5	30.3	16.7
1.65	576	451	282	175	104	72.0	57.0	48.1	33.4	29.9	16.6
1.70	560	441	247	168	102	70.4	55.8	47.1	33.1	29.2	16.4
1.75	519	411	234	162	101	69.6	55.1	46.5	32.5	28.9	16.2
1.80	487	391	214	159	100	68.7	54.1	45.2	32.1	28.5	15.5
1.85	404	342	208	148	95.5	67.8	53.1	44.0	29.9	27.0	14.9

• 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

