

EMERGENCY LIGHT SYSTEM



FIRE & SECURITY SYSTEM



CAR & OTHER STARTING APPLICATIONS



ELECTRO-MEDICAL DEVICES



UPS



RAILWAY SIGNAL



COMMUNICATIONS POWER SUPPLY



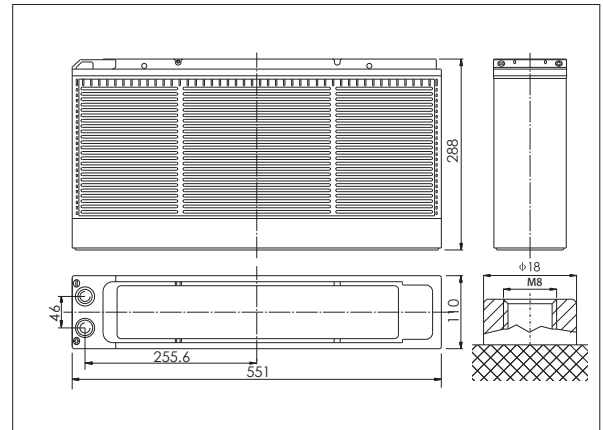
DC POWER SUPPLY

BCN-H12V150



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 H12V150AH Sealed Lead Acid Maintenance Free

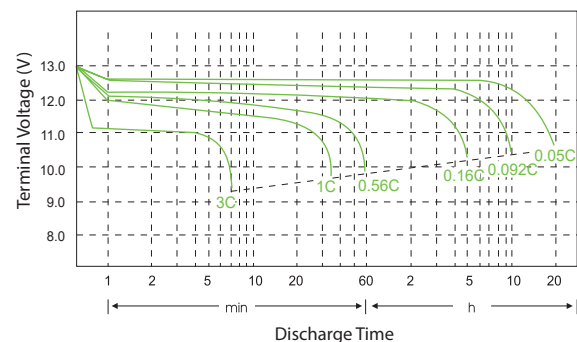
Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		150Ah
Dimensions	Total Height (with terminals)	11.34 inches(288mm)
	Height	11.34 inches(288mm)
	Length	21.69 inches(551mm)
	Width	4.33 inches(110mm)
Weight		Approx.98.56 Pound(44.8kg)

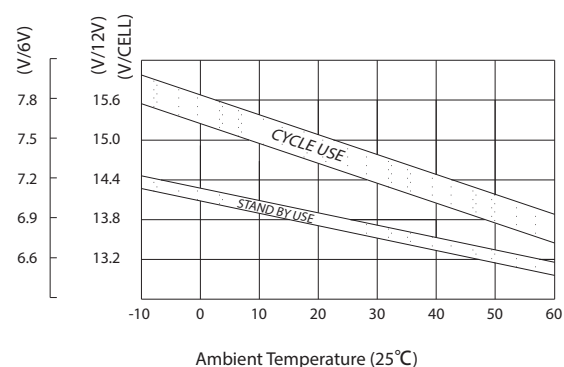
Characteristics

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)	4.5 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)	1000A(5S)	
Terminal	T5	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 45A Voltage 14.1V / 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

Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature



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

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