

EMERGENCY LIGHT SYSTEM



FIRE & SECURITY SYSTEM



CAR & OTHER STARTING APPLICATIONS



ELECTRO-MEDICAL DEVICES



UPS



RAILWAY SIGNAL



COMMUNICATIONS POWER SUPPLY



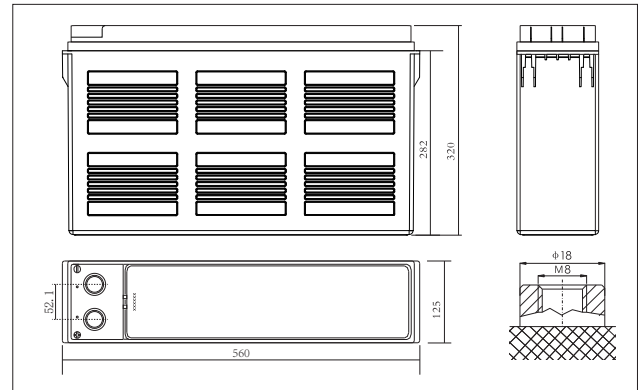
DC POWER SUPPLY

BCN-H12V200



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 H12V200AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		200Ah
Dimensions	Total Height (with terminals)	12.4 inches(320mm)
	Height	12.4 inches(320mm)
	Length	22.04 inches(560mm)
	Width	4.92 inches(125mm)
Weight		Approx.130.9 Pound(59.5kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (20A)	200Ah
	5 hour rate (32A)	160Ah
	1 hour rate (120A)	120Ah
	15minute rate (328A)	82Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	4mΩ
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)	1050A(5S)	
Terminal	T5	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 60A
		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

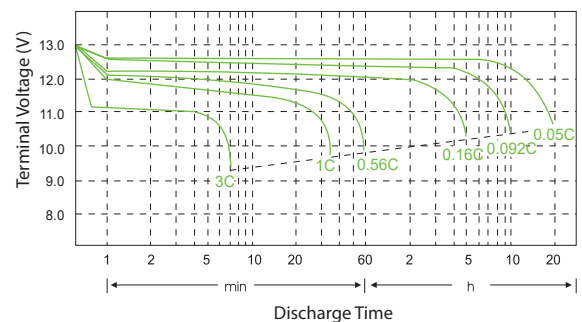
Constant Current Discharge (Amperes @25°C)

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	401	328	197	127	73.1	52.1	40.7	34.6	23.8	21.1	11.9
1.65	386	315	189	122	70.3	52.0	40.3	34.5	23.5	20.9	11.8
1.70	364	286	177	121	69.2	51.8	39.2	34.2	23.0	20.4	11.5
1.75	317	254	152	120	68.8	51.5	38.5	33.5	22.7	20.2	11.4
1.80	305	244	146	115	66.2	50.0	37.0	32.0	21.8	20.0	11.0
1.85	250	212	134	106	63.6	49.9	35.2	30.8	20.7	19.2	10.5

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

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	697	545	349	231	138	95.8	75.5	63.2	43.5	40.0	22.4
1.65	691	541	343	228	136	94.6	74.9	63.0	43.3	39.8	22.2
1.70	672	529	331	219	134	93.2	74.0	62.6	43.0	39.6	21.4
1.75	629	499	296	216	133	92.8	73.5	62.0	42.5	39.1	21.4
1.80	584	469	281	211	130	92.1	72.9	61.4	41.7	38.3	20.7
1.85	485	410	257	207	124	89.3	69.6	57.2	38.9	36.1	19.7

Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

