

EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

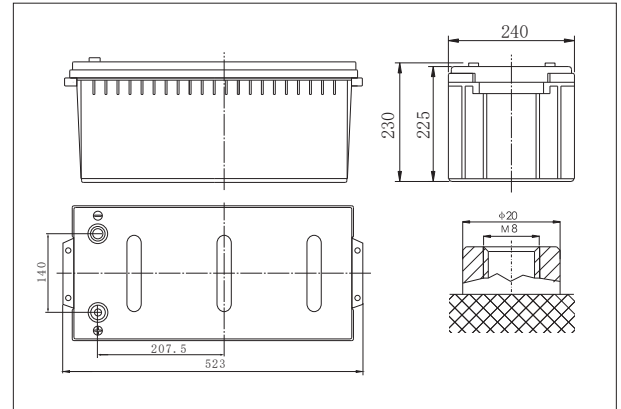
BCN-12V200



Batteries come standard with a special tray

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 12V200AH Sealed Lead Acid Maintenance Free

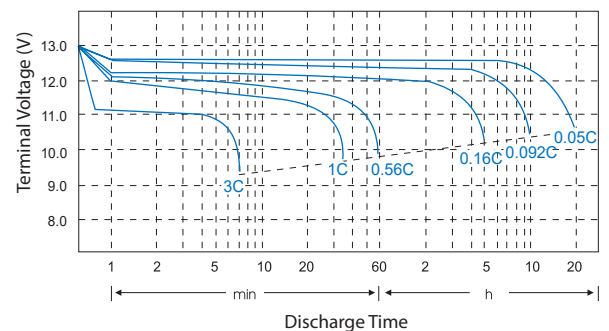
Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		200Ah
Dimensions	Total Height (with terminals)	9.06 inches(230mm)
	Height	8.86 inches(225mm)
	Length	20.59 inches(523mm)
	Width	9.45 inches(240mm)
Weight		Approx. 128.7 Pound(58.5kg)

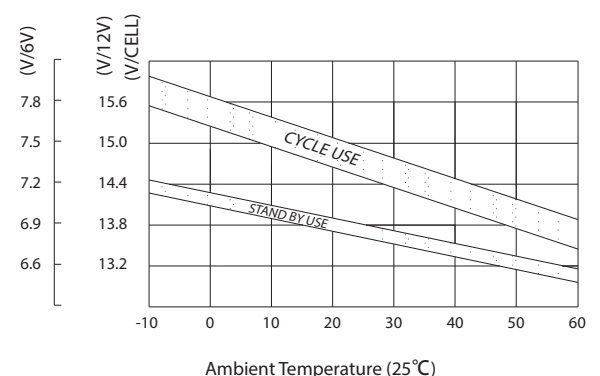
Characteristics

Capacity 77°F(25°C)	10 hour rate (20.0A)	200 Ah
	5 hour rate (32.0A)	160 Ah
	1hour rate (120.0A)	120 Ah
	15minute rate (328A)	82.0 Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	3.5mΩ
	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
Capacity Affected by Temperature (20hour rate)	5°F(-15°C)	65%
	Capacity after 3 months storage	91%
	Capacity after 6 months storage	81%
	Capacity after 12 months storage	60%
Self-Discharge 77°F(25°C)		
Max. Discharge Current 77°F(25°C)	1333A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 60A
		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

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	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

• Manufactured by factory with ISO 9001, ISO 14001, OHSAS 18001, CE, UL STANDARD

www.bcn-ups.com