

EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

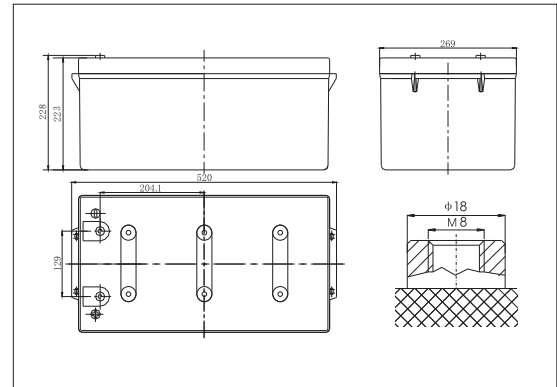
BCN-12V250



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 12V250AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		250Ah
Dimensions	Total Height (with terminals)	9.01 inches (229mm)
	Height	8.82 inches (224mm)
	Length	20.47 inches (520mm)
	Width	10.59 inches (269mm)
Weight		Approx. 152.24 Pound (69.2kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (25.0A)	250Ah
	5 hour rate (40.0A)	200Ah
	1 hour rate (150A)	150Ah
	15 minute rate (410A)	102.5Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	3.1mΩ
	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
Capacity Affected by Temperature (20 hour 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)		1666A(5S)
Terminal		T5
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 75A
		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)

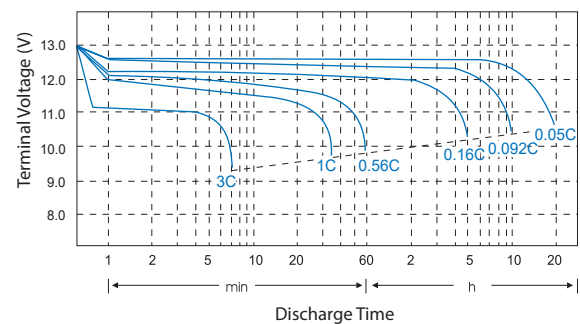
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	502	410	246	159	91.7	65.1	50.9	43.3	29.7	26.7	14.8
1.65	483	394	236	153	88.2	65.0	50.4	43.2	29.4	26.5	14.6
1.70	455	358	221	152	88.0	64.4	49.1	42.8	28.8	26.0	14.4
1.75	397	317	190	150	87.5	62.8	48.3	41.9	28.4	25.4	14.0
1.80	381	305	183	144	84.1	62.5	46.5	40.0	27.3	25.0	13.8
1.85	313	265	168	132	80.7	60.4	44.2	38.5	25.9	24.0	13.2

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

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	871	681	436	289	173	120	94.5	79.0	54.4	50.4	27.8
1.65	864	676	429	285	170	118	93.5	78.8	54.1	50.2	27.4
1.70	840	661	414	274	168	117	92.8	78.3	53.8	49.9	27.1
1.75	786	624	370	270	166	116	91.9	77.5	53.1	49.2	26.3
1.80	730	586	351	264	163	115	91.1	76.8	52.1	48.3	25.9
1.85	606	513	321	259	155	112	87.2	71.5	48.6	45.0	24.8

• 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

