

BCN
Uninterruptible Power Supply



EMERGENCY
LIGHT
SYSTEM



FIRE &
SECURITY
SYSTEM



CAR & OTHER
STARTING
APPLICATIONS



ELECTRO-
MEDICAL
DEVICES



UPS



RAILWAY
SIGNAL



COMMUNICATIONS
POWER SUPPLY



DC POWER
SUPPLY

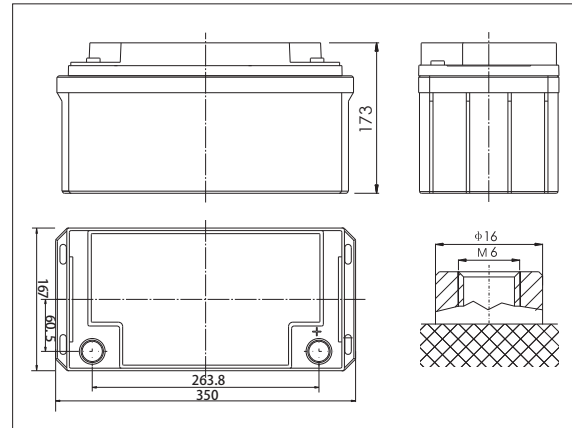
BCN-12V65



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 12V65AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		65Ah
Dimensions	Total Height (with terminals)	6.81 inches(173mm)
	Height	6.81 inches(173mm)
	Length	13.8 inches(350mm)
	Width	6.57 inches(167mm)
Weight		Approx.43.34 Pound(19.7kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (6.5A)	65 Ah
	5 hour rate (10.4A)	52 Ah
	1hour rate (39.0A)	39 Ah
	15minute rate (107A)	26.8 Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	7.0 mΩ
	104°F(40°C)	102%
Capacity Affected by Temperature (20hour rate)	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)	650A(5S)	
Terminal	T2	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 19.5A 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

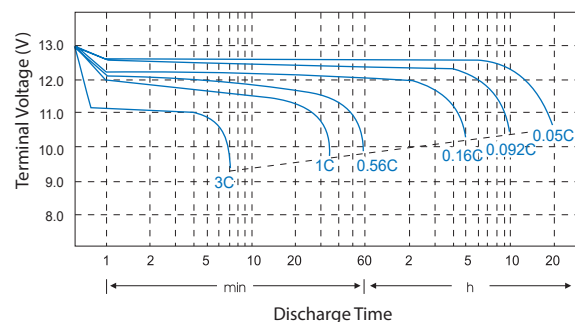
Constant Current Discharge (Amperes @25 °C)

F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	146	107	70.9	41.6	24.5	16.9	13.2	11.5	7.73	7.04	3.88
1.65	140	103	68.2	40.0	23.6	16.8	13.1	11.4	7.65	6.97	3.84
1.70	133	101	64.8	39.2	23.2	16.7	12.8	11.3	7.43	6.88	3.82
1.75	116	91.9	56.2	39.0	22.5	16.6	12.4	10.9	7.34	6.80	3.74
1.80	112	88.4	54.0	37.5	21.6	16.3	11.9	10.4	7.06	6.50	3.58
1.85	91.8	76.9	49.7	34.5	20.7	15.9	11.3	10.0	6.71	6.24	3.40

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

Cut off voltage V/cell	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	254	194	127	77.2	45.3	31.8	25.0	20.9	14.2	13.4	7.37
1.65	251	192	124	76.4	44.7	31.5	24.8	20.7	14.1	12.9	7.30
1.70	246	187	121	75.0	43.6	31.2	24.5	20.3	13.9	12.7	7.26
1.75	230	182	111	74.8	43.1	30.8	24.2	20.1	13.8	12.6	7.11
1.80	214	170	104	74.4	42.4	30.1	23.8	20.0	13.5	12.4	6.80
1.85	177	149	96.0	69.2	41.4	29.7	23.2	19.1	13.0	11.9	6.46

Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

