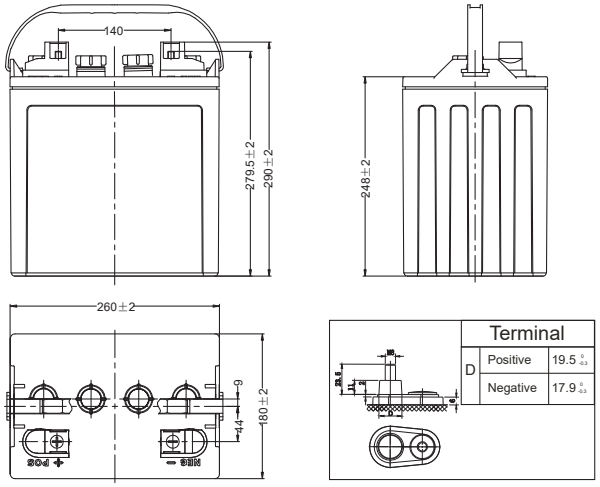
BOSS BATTERIEN

BB - 890

DATASHEET

MODEL BB-890
VOLTAGE 8
MATERIAL Polypropylene
DIMENSIONS Inches (mm)
BATTER Deep-Cycle Flooded/Wet Lead-Acid Battery
COLOR Maroon
WATERING No Watering System available

BATTERY DIMENSIONS & TERMINAL CONFIGURATIONS



2 EHPT	EMBEDDED HIGH PROFILE TERMINAL
	Terminal Height Inches (mm) 1.50 (38) Torque Values in-lb (Nm) 95 – 105 (11 – 12) Bolt 5/16"

PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	VOLTAGE	CELL(S)	TERMINAL TYPE	DIMENSIONS INCHES (mm)			WEIGHT LBS.(kg)
					LENGTH	WIDTH	HEIGHT	
GC8	BB-890	8	4	DT-M8(A)	10.24 (260)	7.10 (181)	11.15 (288)	67 (30)

ELECTRICAL SPECIFICATIONS

CRANKING PERFORMANCE		CAPACITY (MINUTES)		CAPACITY AMP-HOURS (A)				ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
C.C.A@ 0° F (-18° C)	C.A.@ 32° F (0° C)	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	—	—
—	—	340	130	155	175	190	210	1.60		

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77° F/25° C)			
SYSTEM VOLTAGE	8V	24V	48V
Bulk Charge	9.88	29.64	59.28
Float Charge	9.00	27.00	54.00
Equalize Charge	10.80	32.40	64.80

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

CHARGING TEMPERATURE COMPENSATION

ADD	SUBTRACT
0.005V per cell for every 1° C below 25°C 0.0028V per cell for every 1°F below 77°F	0.005V per cell for every 1° C above 25°C 0.0028V per cell for every 1°F above 77°F

OPERATIONAL DATA

OPERATING TEMPERATURE	SELF DISCHARGE
-4° F to 113° F (-20° C to +45° C)At temperatures below 32° F (0° C) maintain a state of charge greater than 60%.	5 – 15% per month depending on storage temperature conditions.

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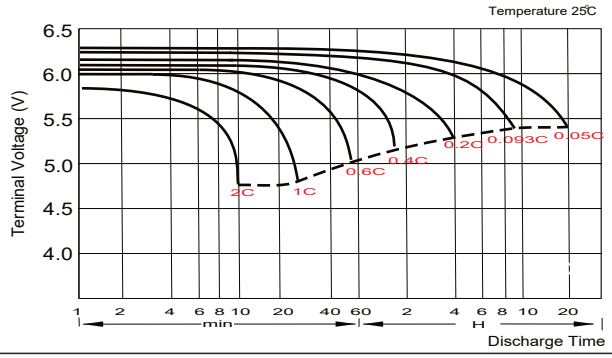
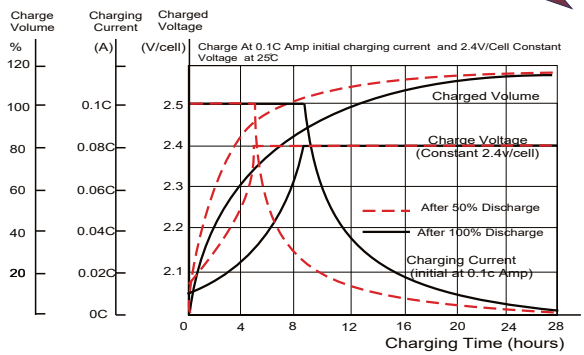
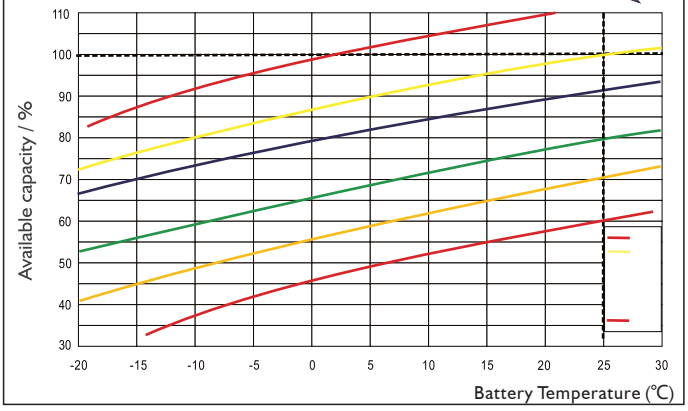
Discharge Characteristics



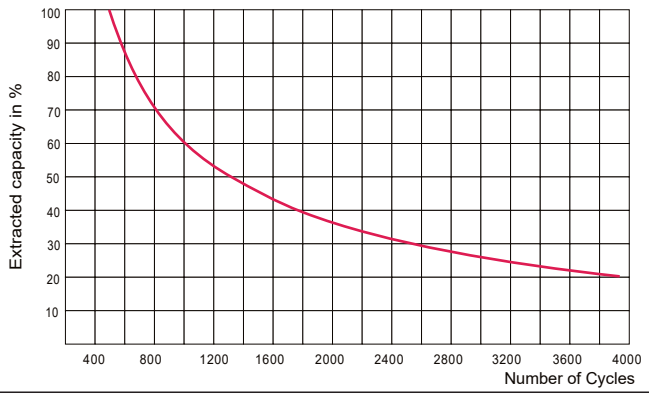
Charging Characteristics (cycle use)

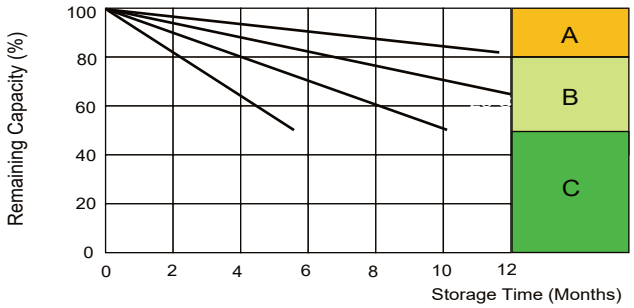


Temperature Effects in Relation to Battery Capacity



Cycle Life in Relation to Depth of Discharge





Self Discharge Characteristics

A No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)

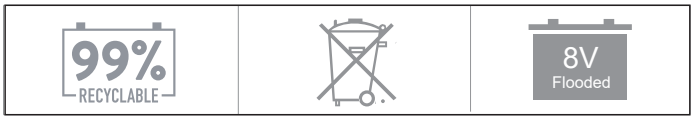
B Supplementary charge required before use.Optional charging way as below:
1.Charged for above 3 days at limted current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20hours at limted current 0.25CA and constant volatge 2.45V/cell.
3.Charged for 8~10hours at limted current 0.05CA .

C Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

STATE OF CHARGE VS OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	SPECIFIC GRAVITY	CELL	8 VOLT
100	1.277	2.122	8.49
90	1.258	2.103	8.41
80	1.238	2.083	8.33
70	1.217	2.062	8.25
60	1.195	2.040	8.16
50	1.172	2.017	8.07
40	1.148	1.993	7.97
30	1.124	1.969	7.88
20	1.098	1.943	7.77
10	1.073	1.918	7.67

RECYCLE RESPONSIBLY



A. The number of minutes a battery can deliver when discharged at a constant rate at 80° F (27° C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
B. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 80° F (27° C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
C. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.
D. C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0° F (-18° C) at a voltage above 1.2 V/cell.
E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32° F (0° C) at a voltage above 1.2 V/cell. This is sometimes referred to as MCA @ 32° F.
F. Height taken from bottom of the battery to the highest point on the battery. Heights may vary based on terminals.
G. Terminal images are representative only.
H. Weight may vary.

The tech data is just for reference and subject to change without prior notice.