



## CB7-12SB (12V7Ah)

### General Series Battery

General (GP) Series VRLA batteries are designed with AGM (Absorbent Glass Mat) technology, High performance plates and electrolyte to give extra power output for common power backup system. GP Series Batteries are the general purpose batteries with 5 years floating design life at 25 °C. Meet with IEC, BS, JIS and Eurobat standard. UL, CE approved.



### Application

- \* Emergency Power System
- \* Communication equipment
- \* Telecommunication systems
- \* Uninterruptible power supplies
- \* Electric toy car and wheelchairs, etc.
- \* Power tools
- \* Alarm system
- \* Marine equipment
- \* Medical equipment
- \* Fire and Security System

### General Features

- \* Heavy Duty Grid
- \* Mechanized assembly
- \* Non-spillable construction
- \* High Reliability and Stability
- \* Sealed and Maintenance-free
- \* Long Life and low self-discharge design

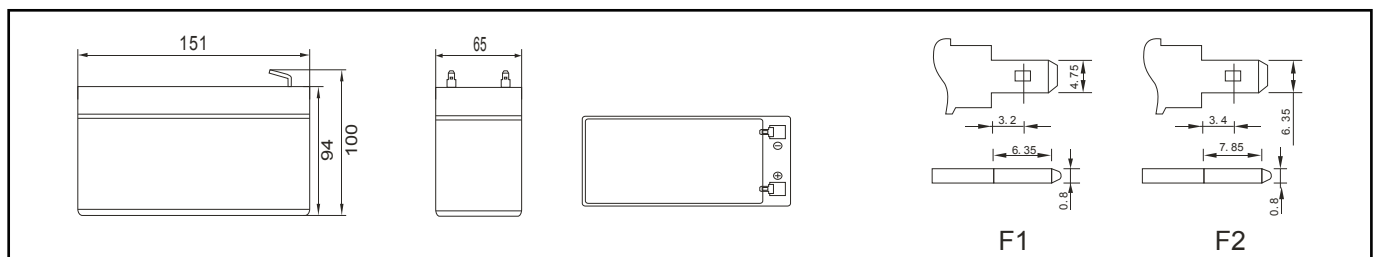
### Construction

- \* Positive ..... Lead dioxide
- \* Electrolyte ..... Sulfuric acid
- \* Separator ..... Fiber glass
- \* Container ..... ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
- \* Negative ..... Lead
- \* Safety Valve ..... EPDR
- \* Terminal ..... Copper

### Specification

Battery Model	Nominal Voltage			12V
	Rated capacity (20 Hour rate)			7.0Ah
	Cells Per battery			6
Dimension	Length	Width	Height	Total Height
	151mm (5.94 inches)	65mm (2.56 inches)	94mm (3.7 inches)	100mm (3.94 inches)
Approx Weight	1.8kg (4.0lbs) ± 3%			
Capacity @ 25°C (77°F)	20 hour rate(10.5V)	10 hour rate(10.5V)	5 hour rate(10.2V)	1 hour rate(9.6V)
	7.0Ah	5.4Ah	5.15Ah	3.6Ah
Max. discharge current	90A (5 Sec.)			
Internal Resistance	Full charged at 25°C: Approx 36mΩ			
Capacity affected by Temp.(20 HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
Self Discharge @25°C (77°F)	After 3 months storage		After 6 months storage	After 12 months storage
	91%		82%	64%
Charge method @25°C (77°F)	Cycle Use			Float Use
	14.4-14.7V (Initial charging current less than 1.8A)			13.50-13.80V

### Outer dimension (mm)



### Terminal Type (mm)

Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)													
F.V.TIME		5min	10min	15min	30min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
9.60V	A	21.60	14.20	10.50	6.90	3.60	2.10	1.55	1.24	1.05	0.69	0.57	0.31
	W	224.00	152.00	113.00	74.00	39.00	23.10	17.20	14.00	12.00	8.00	6.60	3.60
10.20V	A	19.80	13.50	9.60	6.60	3.40	2.01	1.50	1.20	1.03	0.68	0.56	0.30
	W	213.00	152.00	108.00	74.00	38.00	23.20	17.40	14.00	12.00	8.00	6.60	3.60
10.50V	A	18.00	12.70	9.00	6.30	3.30	1.98	1.47	1.14	1.03	0.68	0.55	0.30
	W	198.00	144.00	103.00	73.00	38.00	22.90	17.20	13.40	12.00	8.00	6.50	3.60
10.80V	A	17.30	12.10	8.40	6.20	3.20	1.92	1.45	1.12	0.98	0.66	0.54	0.29
	W	194.00	140.00	97.00	72.00	37.00	22.60	17.10	13.20	11.50	7.80	6.40	3.50
11.10V	A	16.00	11.40	7.80	6.00	3.00	1.88	1.38	1.10	0.93	0.64	0.53	0.29
	W	182.00	132.00	91.00	70.00	36.00	22.20	16.30	13.10	11.10	7.70	6.40	3.50

Note: The above data are average values. (Edition 2018-03)

