

## Valve Regulated Lead Acid Battery

# DEEP CYCLE VRLA BATTERY DC Series

By combining up-to-date DCP additives in the positive plates and special AGM separators, BSB created an innovative range of Deep Cycle batteries. The DC range features 70% higher cyclic life with 12 years of float life when compared to the standard Duration range.

This series is highly suited for very unreliable power applications requiring the batteries to provide extra cyclic life performance such as outdoor applications, small RE systems and electric vehicles.

## FEATURES AND BENEFITS

- 70% more cyclic life through innovation at the PAM additives
- Long life expectancy of 12 years in floating condition
- Thick flat plate with high Tin low Calcium alloy
- Wide operating temperature range from -20°C to 60°C
- Low self-discharge rate
- Very good deep cycle performance: up to 500@ 80%DOD
- Excellent deep discharge recovery capability



## CONSTRUCTION

- Positive plate : Thick high Sn low Ca grid with special paste
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator: Advanced AGM separator for high pressure cell design
- Electrolyte: Dilute high purity sulphuric acid
- Battery container and cover: ABS
- Pillar seal : Two layers epoxy resin seal
- Relief valve : Complete with integrated flame arrestor



## CHARGING VOLTAGE AND SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.27Vpc@25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Cyclic application charge voltage: 2.40-2.45 Vpc @25°C
- Max. charge current allowable: 0.25C10A

## CAPACITY RANGE:

14Ah-200Ah

## COMPLIED STANDARDS:

- IEC 60896-21/22
- Eurobat guide, long life
- 8S6290 part 4
- UL1989
- IATA and IMDG

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# Price guide

## DC Series

MODEL	VOLTAGE (V)	CAPACITY (Ah)	WEIGHT	SIZE (LXWXH) MM
DC6-180	6	180	32.5	260x180x275
DC6-200	6	200	34.5	260x180x275
DC8-150	12	150	35.1	260x180x285
DC12-22	12	22	6.7	180x76x170
DC12-33	12	33	10	195x130x165
DC12-55	12	55	16.6	230x151x180
DC12-75	12	75	26.2	262x168x220
DC12-100	12	100	31.2	330x171x215
DC12-135	12	135	45	338x172x285
DC12-150	12	150	48.6	483x172x240
DC12-200	12	200	63	522x240x228

For DC warranty, indoor floating charge 18 months <35Ah, 36 months >35Ah, cycle use, 12 months <35Ah, 18 months >35Ah.