

## DEEP CYCLE SERIES VRLA BATTERY

By combining up-to-date DCP-II formula in the positive plates and enhanced electrolyte for VRLA, BSB created an innovative range of DC batteries. This range features deep cycling use with long life. It is especially designed for electricity vehicles, i.e. home mobility equipment, electric road vehicles, golf cart, electric tricycle, washing floor machine and other devices require DC motive power sources.

**8 V** voltage    **150Ah@C3** capacity    **AGM** tech    **Enhanced deep cycling**



ISO9001    ISO14001

GB/T 28001-2001 / OHSAS 18001:2007

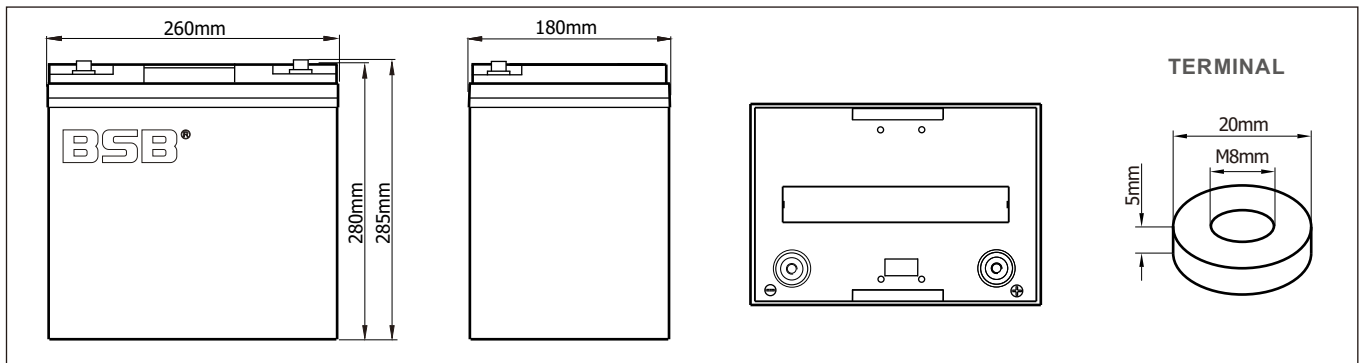
### Complied standards

- IEC61056
- GB/T19639
- GB/T22199
- JIS C8707
- UL1989

### TECHNICAL SPECIFICATIONS

Nominal Voltage (V)	8 (4 cells per unit)
Designed Floating Life (20°C)	12 Years
Nominal Capacity (25°C)	165 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L260mm x W180mm x H285mm
Approx. Weight	36.0 kg (79.4 lbs)
Terminal Type	Female Copper Insert M8
Internal Resistance	Approx. 1.8 mOhm (fully charged @ 25°C)
Max. Charge Current	150 A
Max. Discharge Current (5S)	900 A
Short Circuit Current	3200 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -20~60°C Charge: -20~60°C Storage: -20~45°C
Float Charge Voltage	9.20V @25°C (-3mV/cell/ °C)
Cycle Use Charge Voltage	9.80V @25°C
Container Material	ABS (UL94-V0 optional)

### BATTERY DIMENSIONS

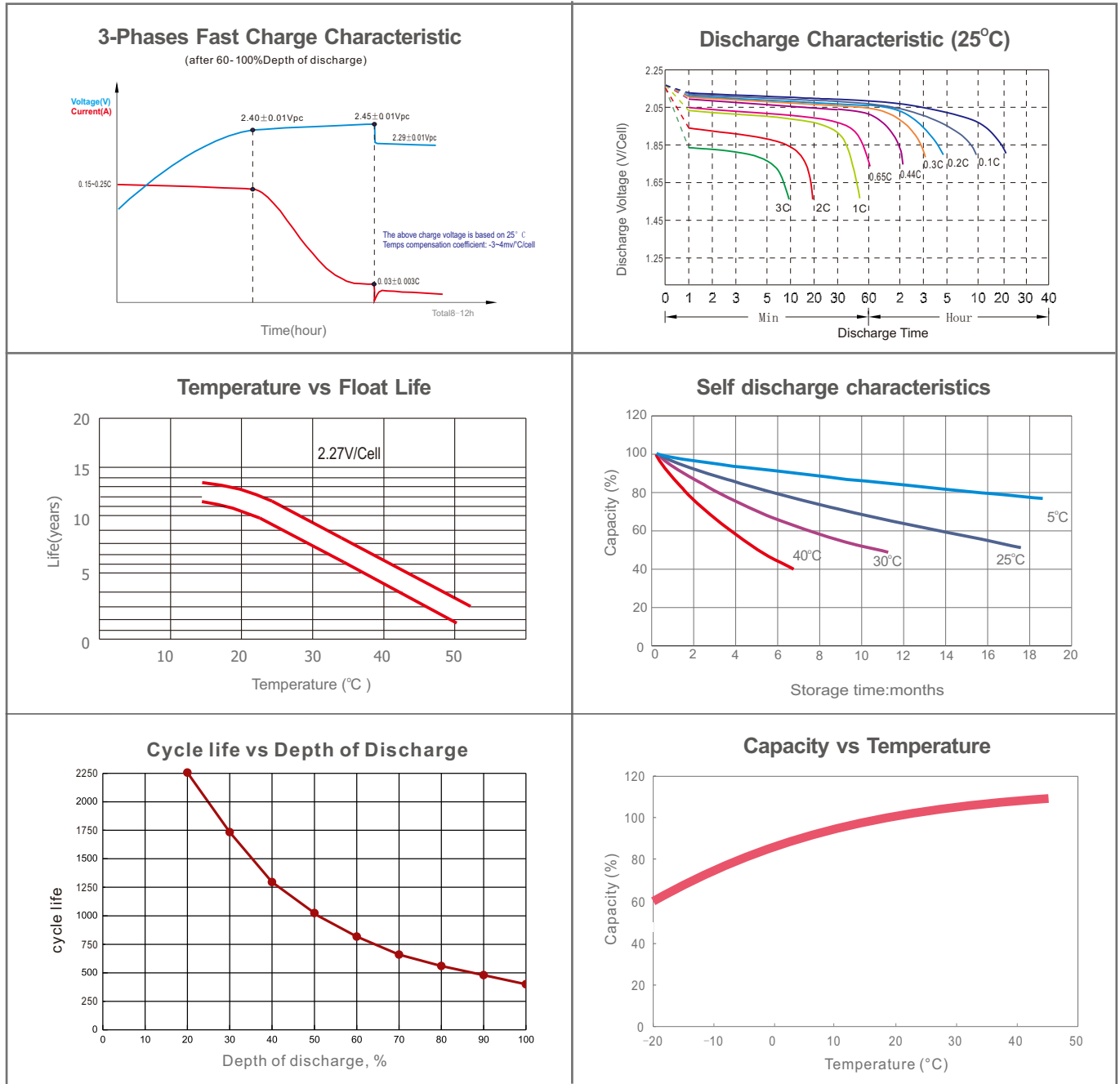


### BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)											
F.V/T time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	348	285	176	111	70.8	52.1	40.1	32.8	21.0	17.1	9.43
1.67V	321	268	168	109	69.6	51.4	39.6	32.4	20.7	17.0	9.34
1.70V	292	253	162	107	68.7	50.8	39.2	32.1	20.5	16.9	9.17
1.75V	271	236	156	105	67.5	50.0	38.8	31.7	20.2	16.7	8.92
1.80V	247	220	149	102	66.0	49.1	37.9	31.1	19.9	16.5	8.75
1.85V	221	200	141	96.7	63.5	47.4	36.8	30.3	19.5	16.2	8.58

Constant Power Discharge Characteristics: W/cell (25°C)											
F.V/T time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	623	528	328	209	129	97.5	73.3	60.3	39.1	32.1	17.3
1.67V	580	502	314	206	128	95.0	72.5	60.1	38.8	31.9	16.9
1.70V	533	478	305	203	126	94.2	72.0	59.9	38.7	31.8	16.8
1.75V	501	449	297	200	124	93.3	71.4	59.7	38.4	31.5	16.5
1.80V	460	423	287	195	122	92.5	70.8	58.7	37.8	31.2	16.3
1.85V	420	389	273	188	118	90.0	69.8	57.8	37.3	30.5	16.1

## CHARACTERISTICS



## FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current(A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85Vpc$	$\geq 1.80Vpc$	$\geq 1.75Vpc$	$\geq 1.70Vpc$	$\geq 1.60Vpc$

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