

DURATION 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 higher cyclic life when compared with the standard Duration range. This series is highly suited to cyclic applications such as outdoor applications, small RE systems and electric vehicles.

12 V voltage **9.0Ah** capacity **AGM** tech **Enhanced deep cycling**



TECHNICAL SPECIFICATIONS

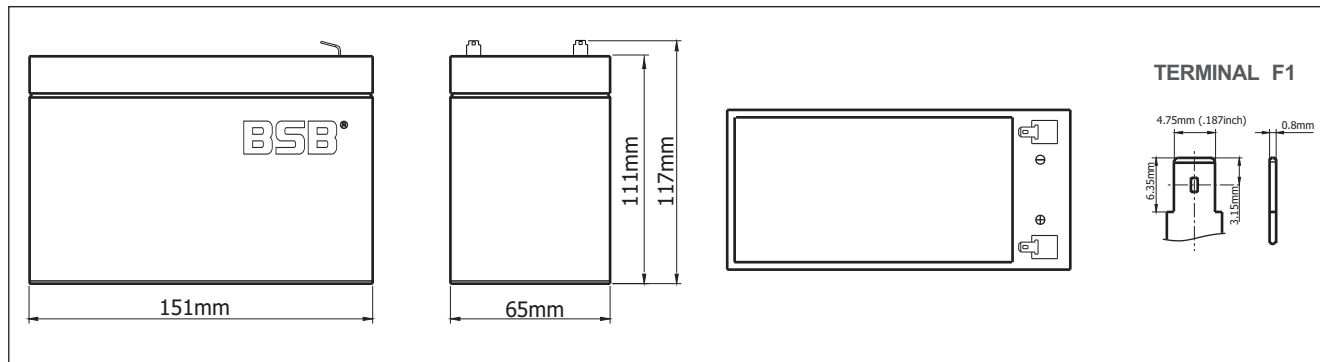
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	5 Years
Nominal Capacity (25°C)	9 Ah @ 20HR-rate (to 1.75Vpc)
Dimension (mm)	L151mm x W65mm x H117mm
Approx. Weight	2.8 kg (6.17 lbs)
Terminal Type	Fasten Tab F1
Internal Resistance	Approx. 0.017 Ohm (fully charged @ 25°C)
Max. Charge Current	2.7 A
Max. Discharge Current (5S)	135 A
Short Circuit Current	720 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -15~55°C Charge: -15~45°C Storage: -15~45°C
Float Charge Voltage (20~25°C)	13.6-13.8V (-3mV/ cell/ °C)
Equalize and cycle Use Charge Voltage (20~25°C)	14.4-14.8V (-5mV/ cell / °C)
Container Material	ABS (UL94-V0 optional)



Complied standards

- IEC 61056
- UL1989
- JIS C8707
- GB/T19639

BATTERY DIMENSIONS

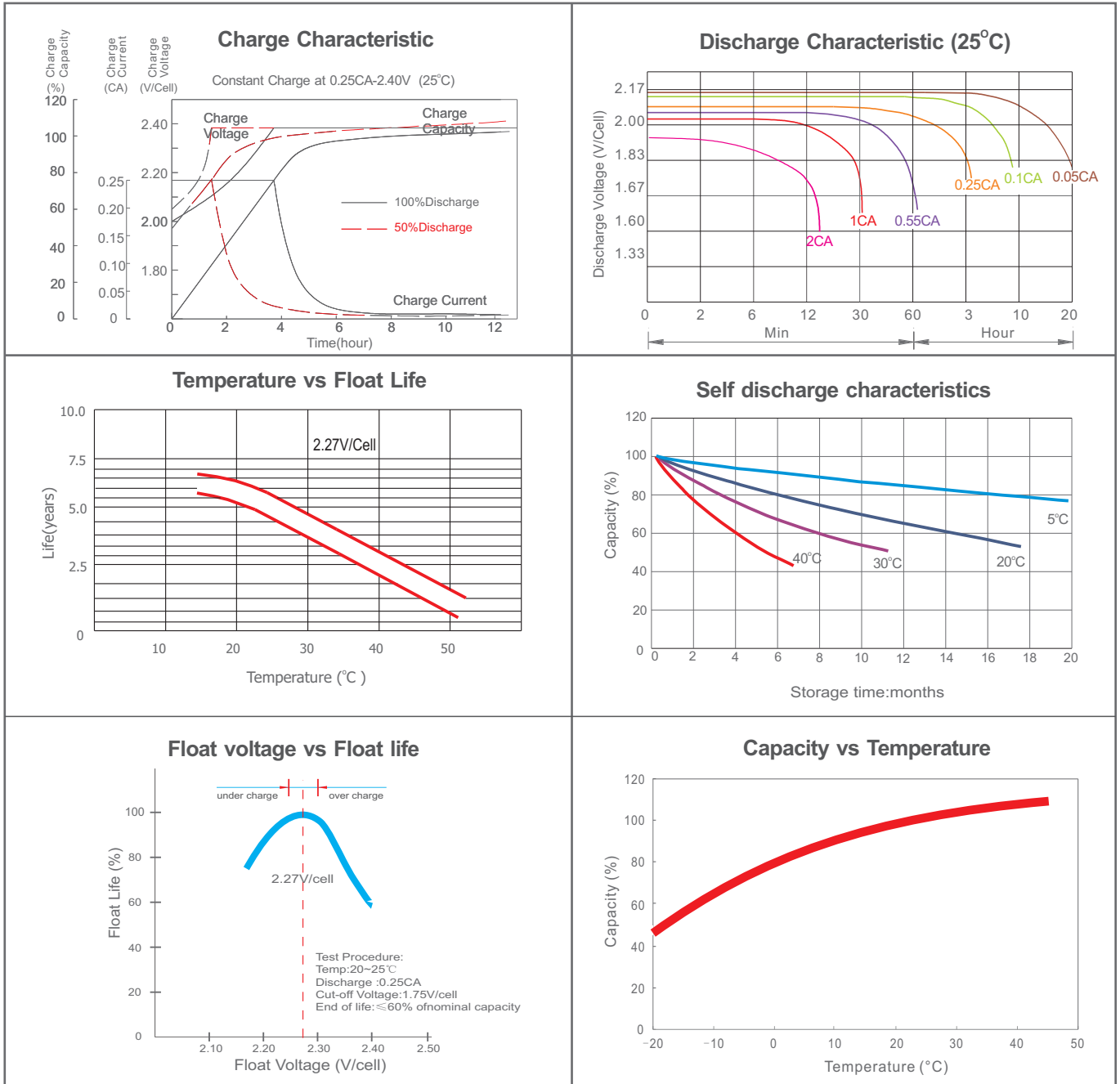


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)											
F.V/Time	10m in	15m in	30m in	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	21.5	16.4	9.8	5.80	3.47	2.48	1.96	1.62	1.09	0.89	0.48
1.67V	20.7	15.8	9.5	5.73	3.43	2.45	1.93	1.60	1.08	0.88	0.47
1.70V	19.8	15.4	9.4	5.64	3.40	2.43	1.91	1.58	1.07	0.87	0.46
1.75V	19.0	15.0	9.1	5.55	3.35	2.41	1.89	1.56	1.06	0.86	0.45
1.80V	17.9	14.7	9.0	5.43	3.30	2.37	1.86	1.54	1.04	0.85	0.44
1.85V	16.9	14.3	8.8	5.35	3.26	2.34	1.84	1.52	1.03	0.84	0.43

Constant Power Discharge Characteristics: W/cell (25°C)											
F.V/Time	10m in	15m in	30m in	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	38.6	29.9	18.0	10.8	6.53	4.68	3.72	3.08	2.10	1.72	0.93
1.67V	37.7	29.1	17.7	10.7	6.49	4.66	3.68	3.06	2.09	1.71	0.92
1.70V	36.4	28.6	17.5	10.6	6.47	4.65	3.67	3.05	2.08	1.70	0.91
1.75V	35.2	28.2	17.3	10.5	6.44	4.64	3.66	3.03	2.07	1.69	0.89
1.80V	33.6	27.8	17.1	10.4	6.40	4.62	3.64	3.02	2.06	1.68	0.88
1.85V	32.1	27.3	16.9	10.3	6.37	4.60	3.62	3.00	2.05	1.66	0.86

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (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	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.7V_{pc}$	$\geq 1.6V_{pc}$

HEADQUARTERS AND SUBSIDIARIES

- BSB Power Company Limited (HQ)
- BSB Power Europe (France)
- BSB Power Malaysia Sdn. Bhd
- PT. BSB Indonesia
- BSB Power (Thailand) Co., Ltd
- BSB Power Company Pakistan Ltd

