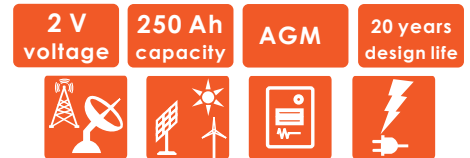


2V LSE SERIES VRLA BATTERY

The LSE series has a 20 years design life in float service. With heavy duty grids, thicker plates, special additives and updated AGM Valve Regulated technology, the LSE series battery provides consistent performance and long service life.

This series is highly suited for telecommunications, UPS systems, renewable energy systems, power stations and similar applications.



SPECIFICATIONS

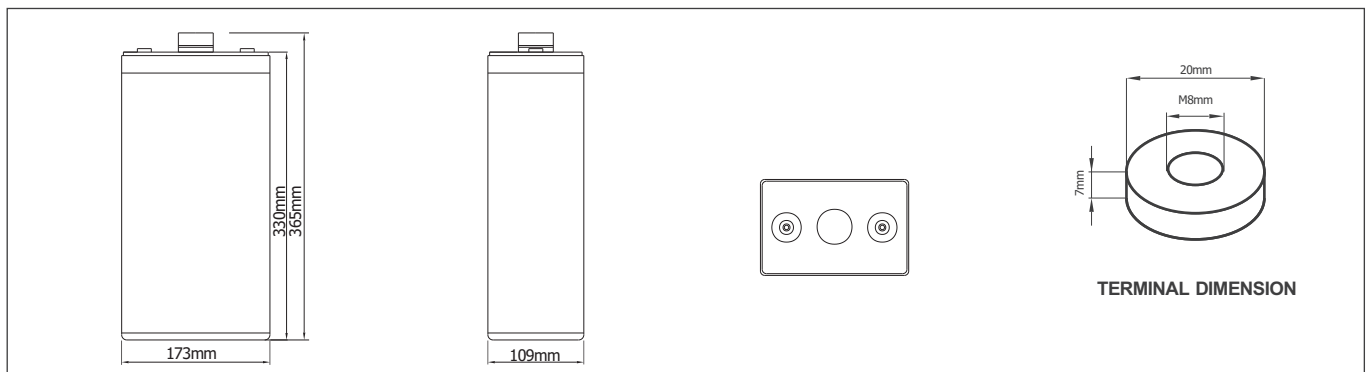
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	250 Ah @ C10 (to 1.80Vpc)
Dimensions	L173mm × W109mm × H365mm
Approx. Weight	14.5 kg (32.0 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.8mOhm (fully charged @ 20°C)
Max. Charge Current	62.5 A
Max. Discharge Current (5S)	1500 A
Short Circuit Current	2500 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -25~60°C Charge: -25~60°C Storage: -25~45°C
Float Charge Voltage (20~25°C)	2.25-2.29V (-3mV / °C/ cell)
Equalize Charge Voltage (20~25°C)	2.35-2.40V (-5mV / °C/ cell)
Container Material	ABS(UL94-V0 optional)



Complied standards

- IEC 60896-21/22
- IEC61427
- YD/T1360
- Eurobat guide, long life
- BS6290 part 4
- UL1989

DIMENSIONS

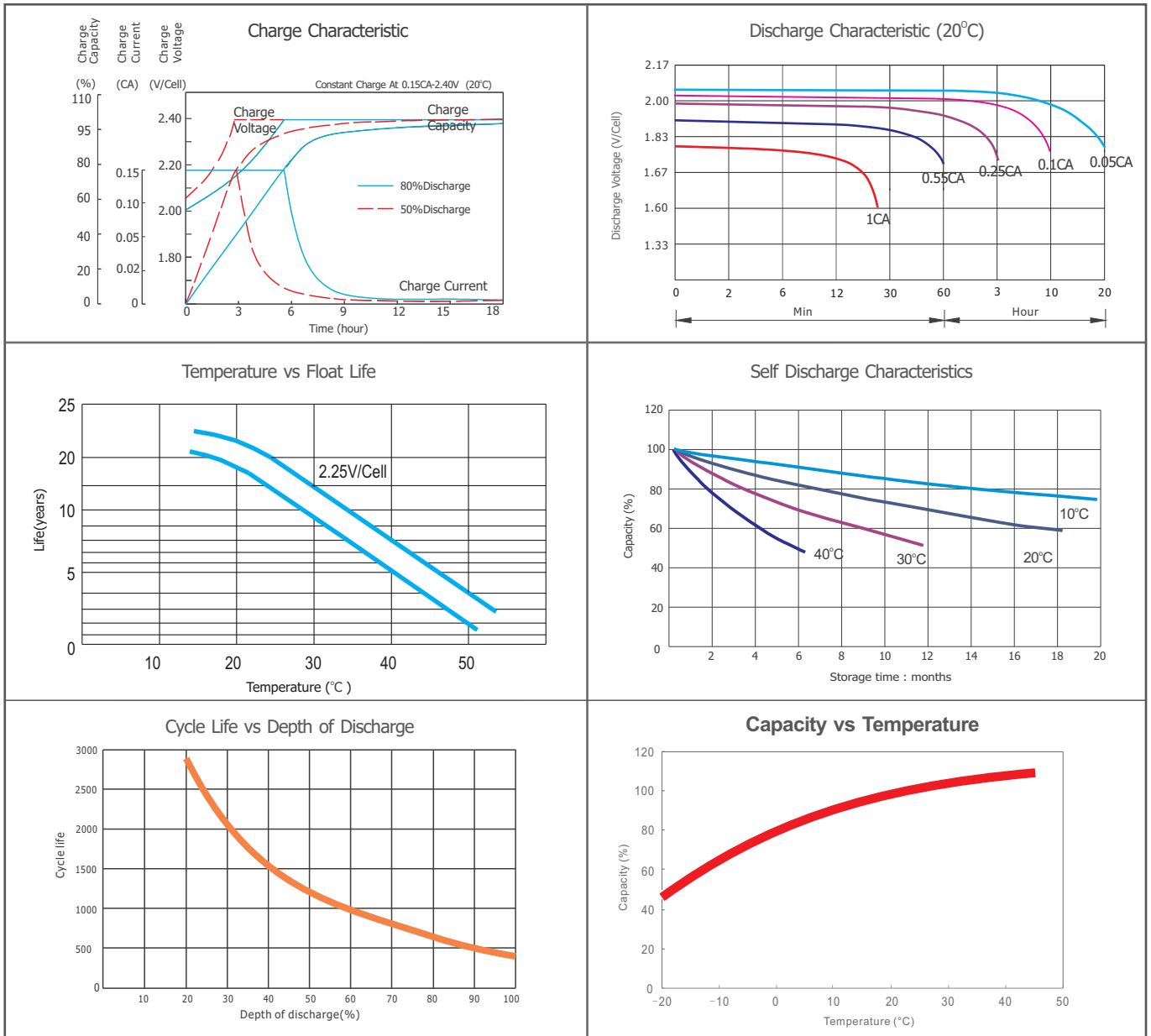


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	472	400	378	289	199	160	96.5	70.5	56.9	47.9	33.0	27.1
1.65V	417	367	356	267	191	153	94.0	69.0	55.6	47.0	32.5	26.7
1.70V	400	346	339	244	179	144	90.5	67.0	54.5	46.4	32.0	26.3
1.75V	381	329	321	228	171	139	87.5	65.0	53.0	45.1	31.6	25.7
1.80V	367	312	303	217	159	130	83.5	63.0	51.0	44.0	30.6	25.0
1.85V	324	276	268	196	144	117	75.5	59.5	48.8	42.0	29.7	24.3

Constant Power Discharge Characteristics: W/cell (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	793	680	647	500	348	282	173	128	104	88.6	62.5	51.5
1.65V	717	637	621	469	339	273	171	127	103	87.9	61.8	51.0
1.70V	704	612	602	439	323	261	167	124	102	87.6	61.3	50.5
1.75V	678	589	578	414	312	255	163	122	100	86.0	61.2	50.1
1.80V	664	567	554	400	294	242	158	120	97.9	85.1	60.0	49.3
1.85V	603	516	503	371	273	223	145	115	95.3	82.6	59.0	48.4

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	$I < 0.05C$	$0.05C \leq I < 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$1C \leq I \leq 2C$
Final of Voltage	≥ 1.90 Vpc	≥ 1.85 Vpc	≥ 1.80 Vpc	≥ 1.75 Vpc	≥ 1.7 Vpc	≥ 1.6 Vpc

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

