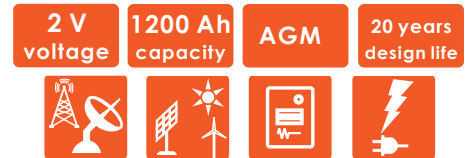


2V LSE SERIES VRLA BATTERY

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)	1200 Ah @ C10 (to 1.80Vpc)
Dimensions	L225mm × W229mm × H566mm
Approx. Weight	75.0 kg (165 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.17mOhm (fully charged @ 20°C)
Max. Charge Current	300 A
Max. Discharge Current (5S)	4000 A
Short Circuit Current	11500 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)



ISO9001



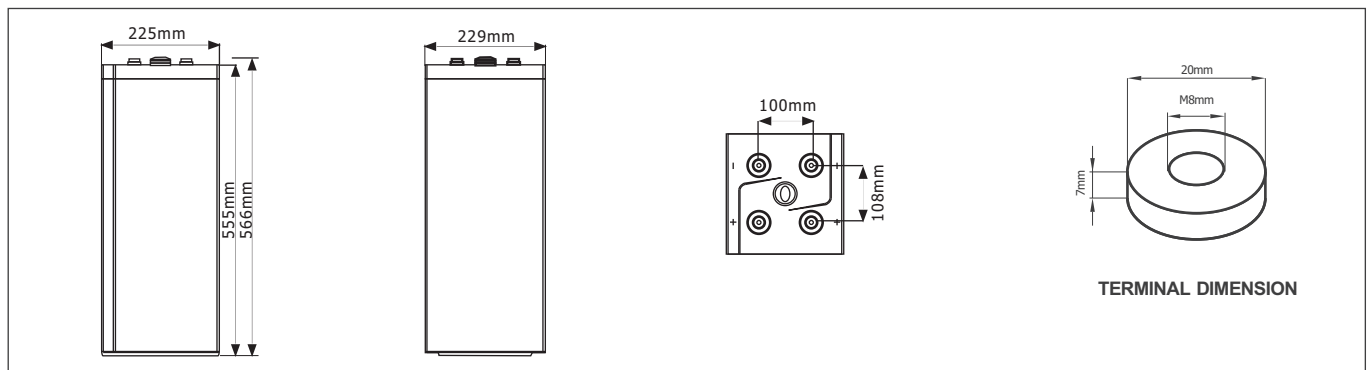
ISO14001



Complied standards

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

DIMENSIONS

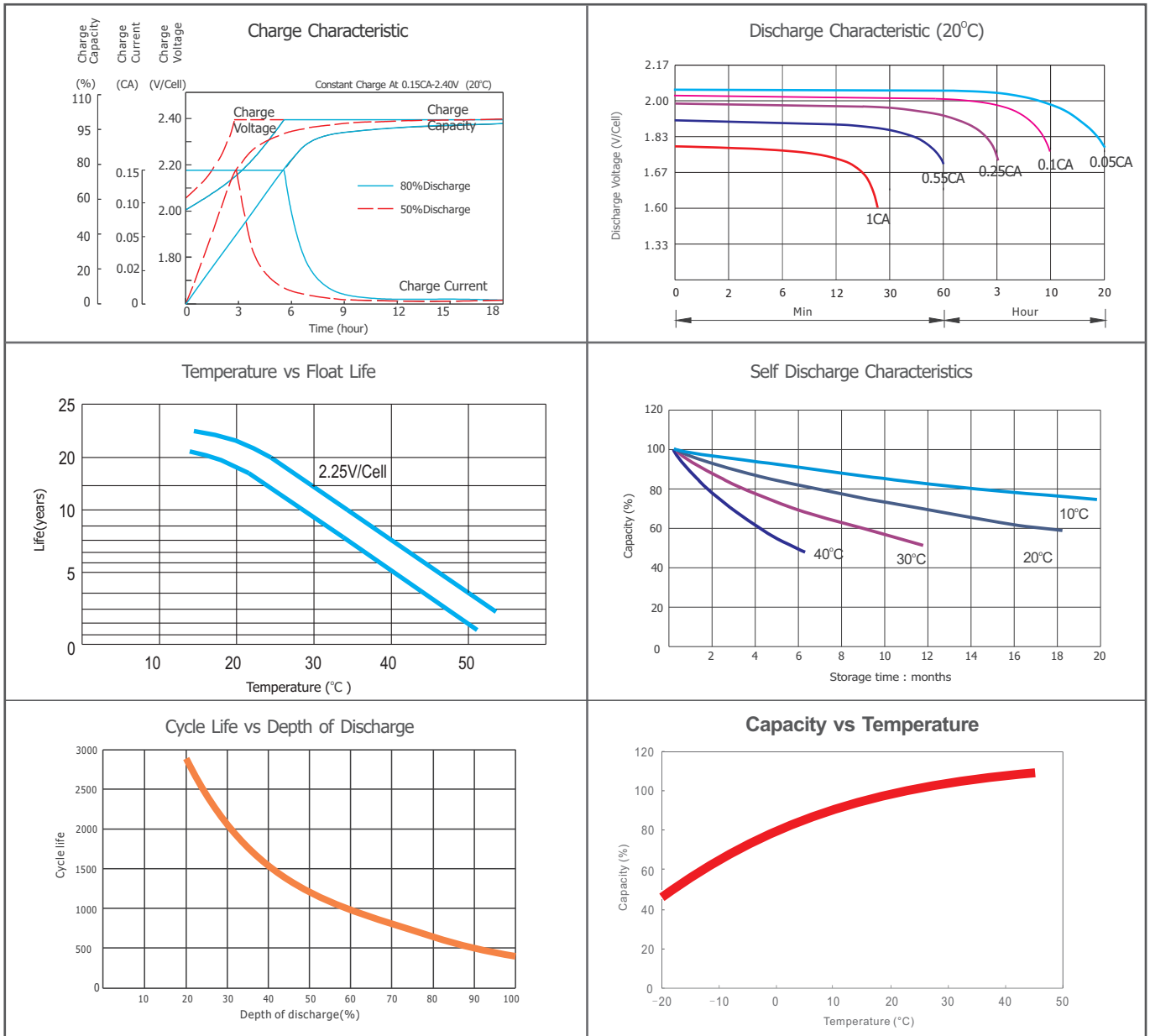


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	1803	1527	1442	1103	955	768	463	338	273	230	158	130
1.65V	1591	1402	1357	1018	914	732	451	331	267	226	156	128
1.70V	1527	1323	1294	933	857	691	434	322	262	222	153	126
1.75V	1455	1255	1226	870	818	665	420	312	254	216	151	123
1.80V	1400	1191	1156	827	761	622	401	302	245	211	147	120
1.85V	1239	1055	1024	749	689	562	362	286	234	202	143	116

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	3029	2596	2469	1908	1672	1352	830	612	500	425	300	247
1.65V	2736	2432	2372	1792	1628	1311	821	608	495	422	296	245
1.70V	2688	2336	2297	1674	1551	1255	799	598	491	420	294	242
1.75V	2590	2248	2207	1582	1498	1223	782	586	482	413	291	241
1.80V	2534	2166	2114	1526	1411	1159	757	577	470	408	288	236
1.85V	2304	1970	1922	1415	1309	1072	697	554	457	396	283	232

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

