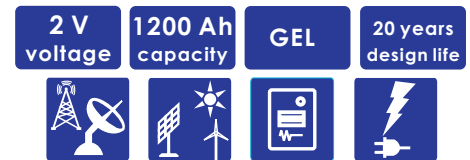


## 2V LSG SERIES VRLA BATTERY

By combining the newly developed nano gel electrolyte with up-to-date AGM structures, BSB created the innovative LSG range of batteries. It is very suitable for cyclic use under extreme operating conditions. The range offers 20 years design life with high reliability and stable performance. It is highly suited to telecom outdoor application, renewable energy system and other harsh environment applications.



### SPECIFICATIONS

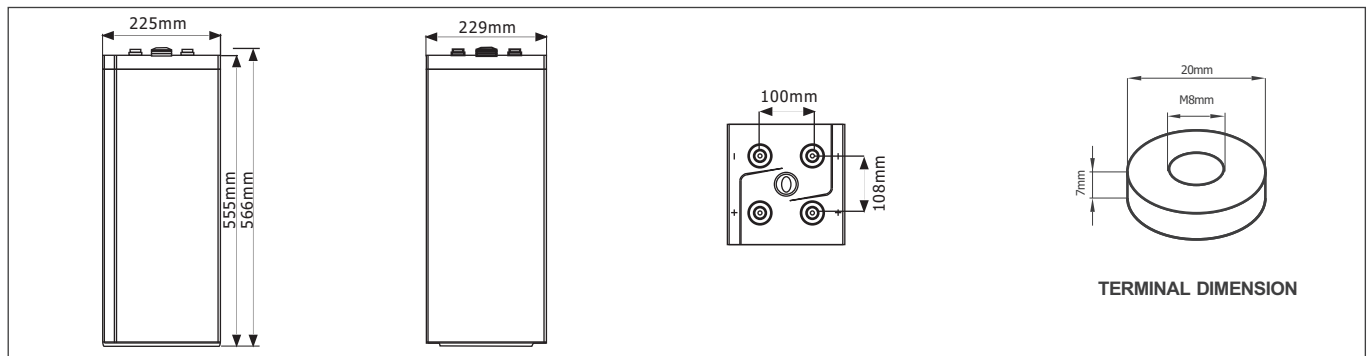
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	1200 Ah @ C <sub>10</sub> (to 1.80Vpc)
Dimensions	L225mm × W229mm × H566mm
Approx. Weight	75.5 kg (166 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.17mOhm (fully charged @ 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: -40~60°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

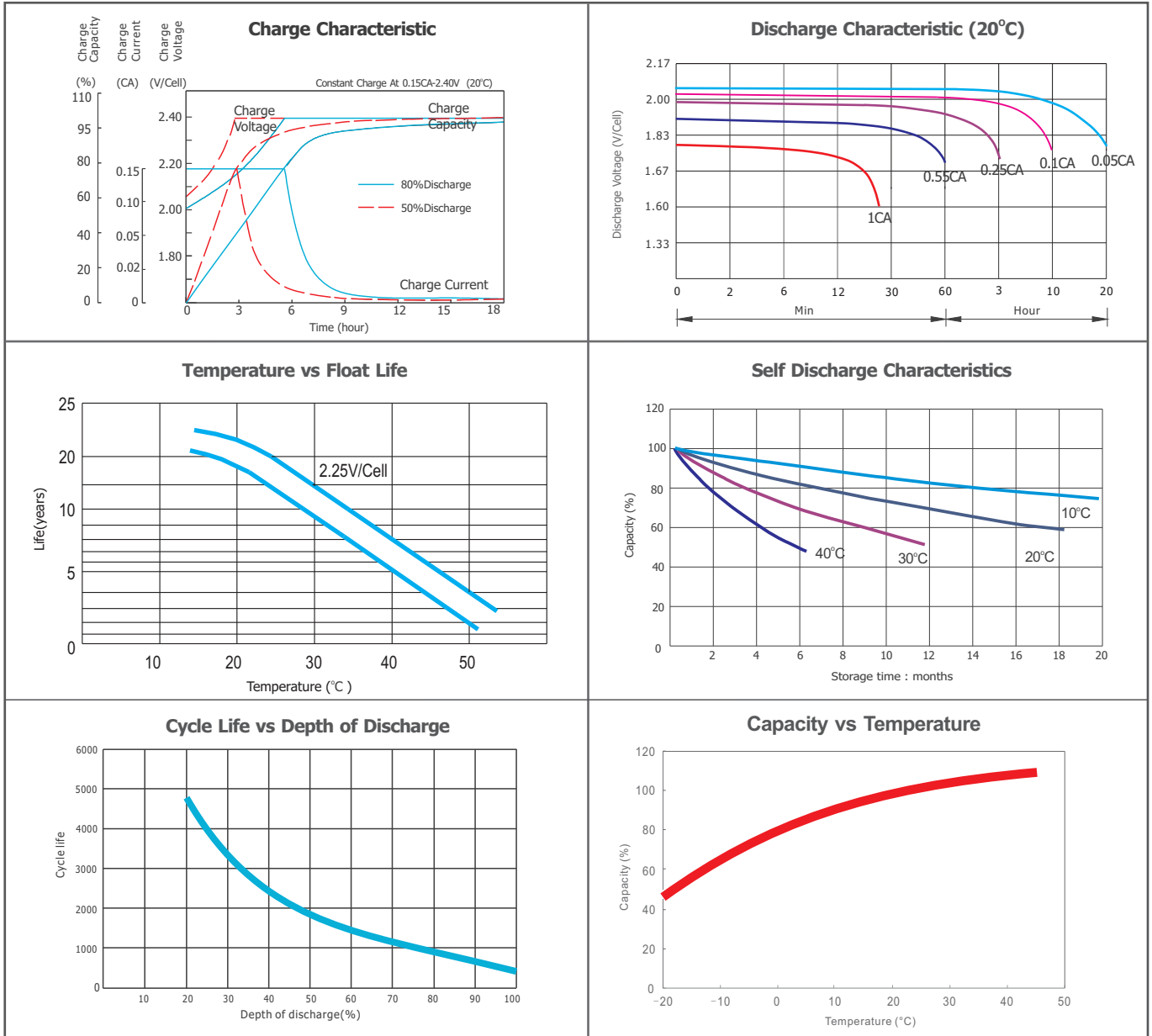


### BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	1785	1512	1428	1092	955	768	463	338	273	230	158	130
1.65V	1575	1388	1344	1008	914	732	451	331	267	226	156	128
1.70V	1512	1310	1281	924	857	691	434	322	262	222	153	126
1.75V	1441	1243	1214	861	818	665	420	312	254	216	151	123
1.80V	1386	1179	1145	819	761	622	401	302	245	211	147	120
1.85V	1226	1044	1014	741	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	2999	2571	2445	1889	1672	1352	830	612	500	425	300	247
1.65V	2709	2408	2348	1774	1628	1311	821	608	495	422	296	245
1.70V	2661	2313	2274	1658	1551	1255	799	598	491	420	294	242
1.75V	2564	2225	2185	1566	1498	1223	782	586	482	413	294	241
1.80V	2509	2145	2093	1511	1411	1159	757	577	470	408	288	236
1.85V	2281	1950	1903	1401	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	$\geq 1.90$ Vpc	$\geq 1.85$ Vpc	$\geq 1.80$ Vpc	$\geq 1.75$ Vpc	$\geq 1.7$ Vpc	$\geq 1.6$ 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



Country of origin: China