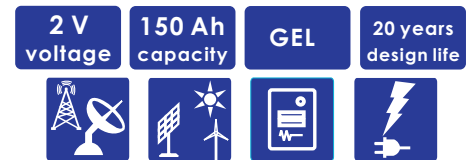


2V LSG SERIES VRLA BATTERY

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)	150 Ah @ C10 (to 1.80Vpc)
Dimensions	L172mm × W102mm × H221mm
Approx. Weight	8.7 kg (19.2 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.82mOhm (fully charged @ 20°C)
Max. Charge Current	37.5 A
Max. Discharge Current (5S)	1050 A
Short Circuit Current	2400 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)



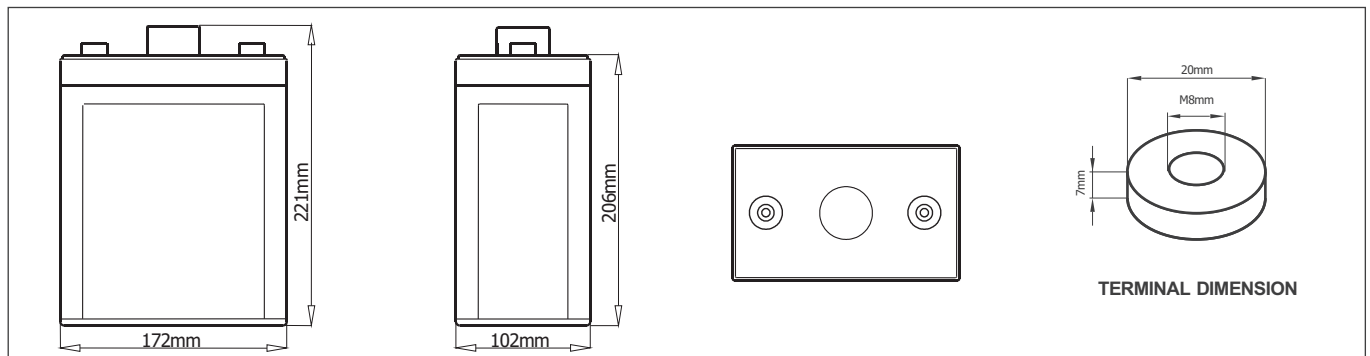
ISO9001

ISO14001

Complied standards

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

DIMENSIONS

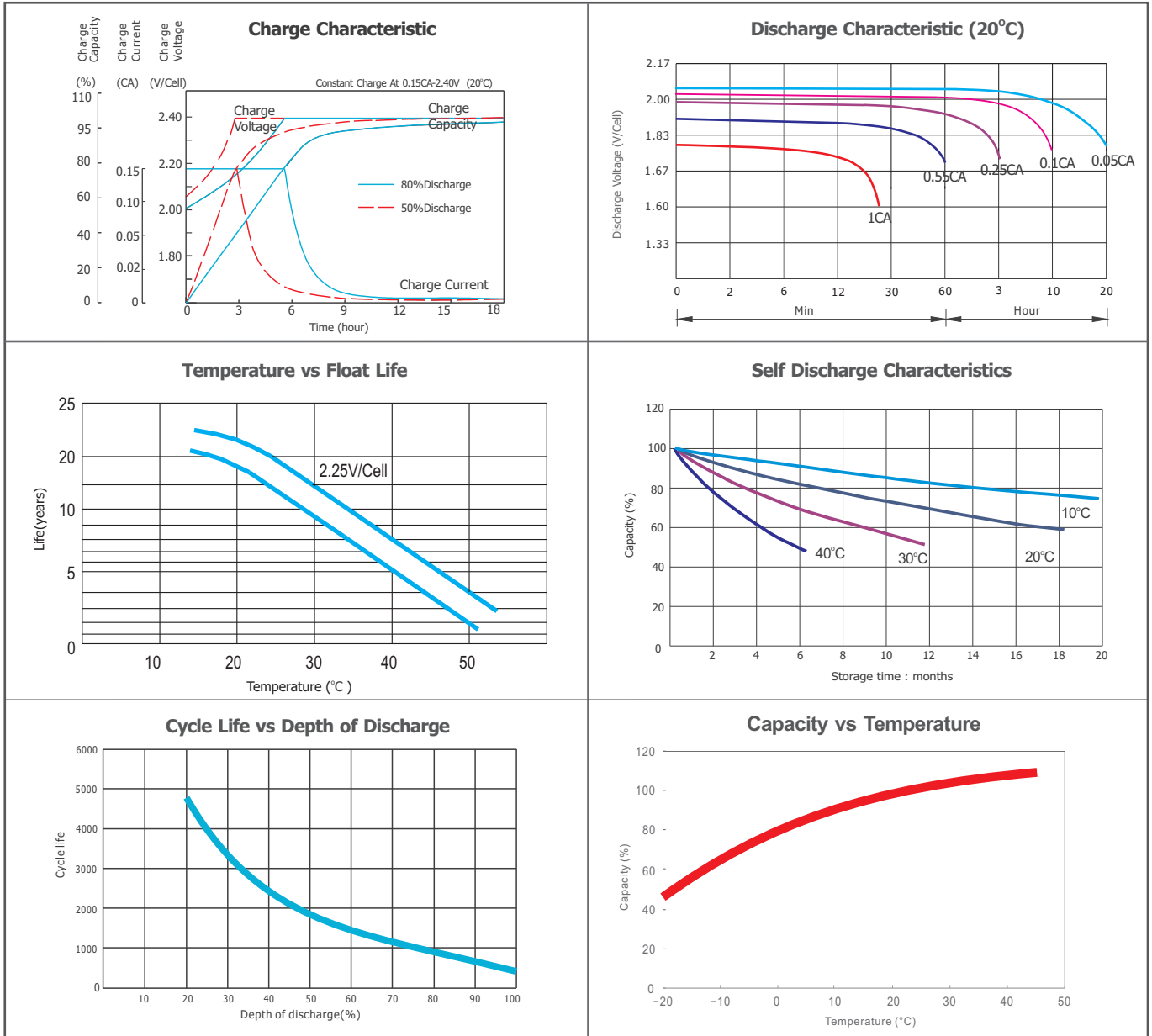


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	281	238	224	172	119	96.0	57.9	42.3	34.1	28.7	19.8	16.3
1.65V	248	218	211	158	114	91.5	56.4	41.4	33.4	28.2	19.5	16.0
1.70V	238	206	201	145	107	86.4	54.3	40.2	32.7	27.8	19.2	15.8
1.75V	226	195	191	135	102	83.1	52.5	39.0	31.8	27.0	18.9	15.4
1.80V	218	185	180	129	95.1	77.7	50.1	37.8	30.6	26.4	18.4	15.0
1.85V	193	164	159	116	86.1	70.2	45.3	35.7	29.3	25.2	17.8	14.6

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	471	404	384	297	209	169	104	76.5	62.4	53.2	37.5	30.9
1.65V	426	378	369	279	203	164	103	76.0	61.9	52.7	37.1	30.6
1.70V	418	363	357	261	194	157	100	74.7	61.3	52.6	36.8	30.3
1.75V	403	350	343	246	187	153	97.8	73.2	60.3	51.6	36.7	30.1
1.80V	394	337	329	237	176	145	94.6	72.1	58.8	51.1	36.0	29.6
1.85V	358	307	299	220	164	134	87.2	69.3	57.2	49.5	35.4	29.0

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



Country of origin: China