

## 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

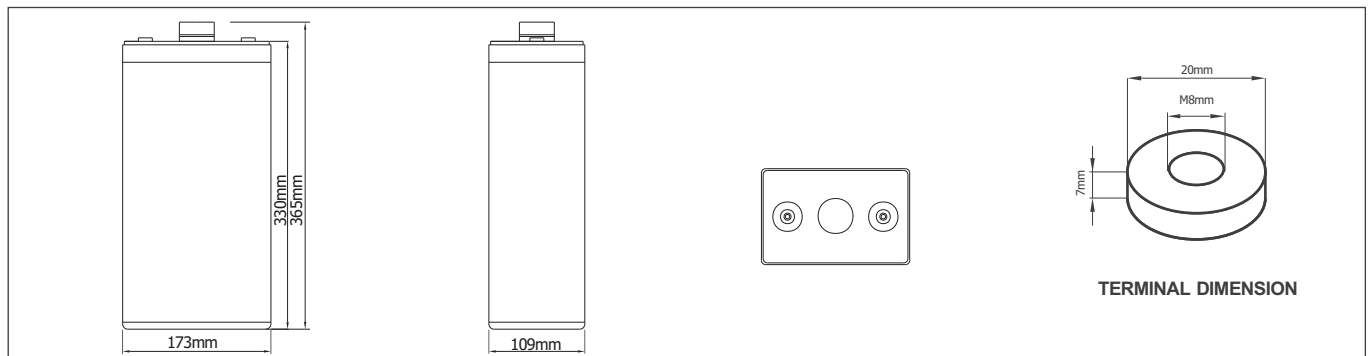
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	250 Ah @ C10 (to 1.80Vpc)
Dimensions	L173mm × W109mm × H365mm
Approx. Weight	15.4 kg (34.0 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.8mOhm (fully charged @ 20°C)
Max. 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: -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

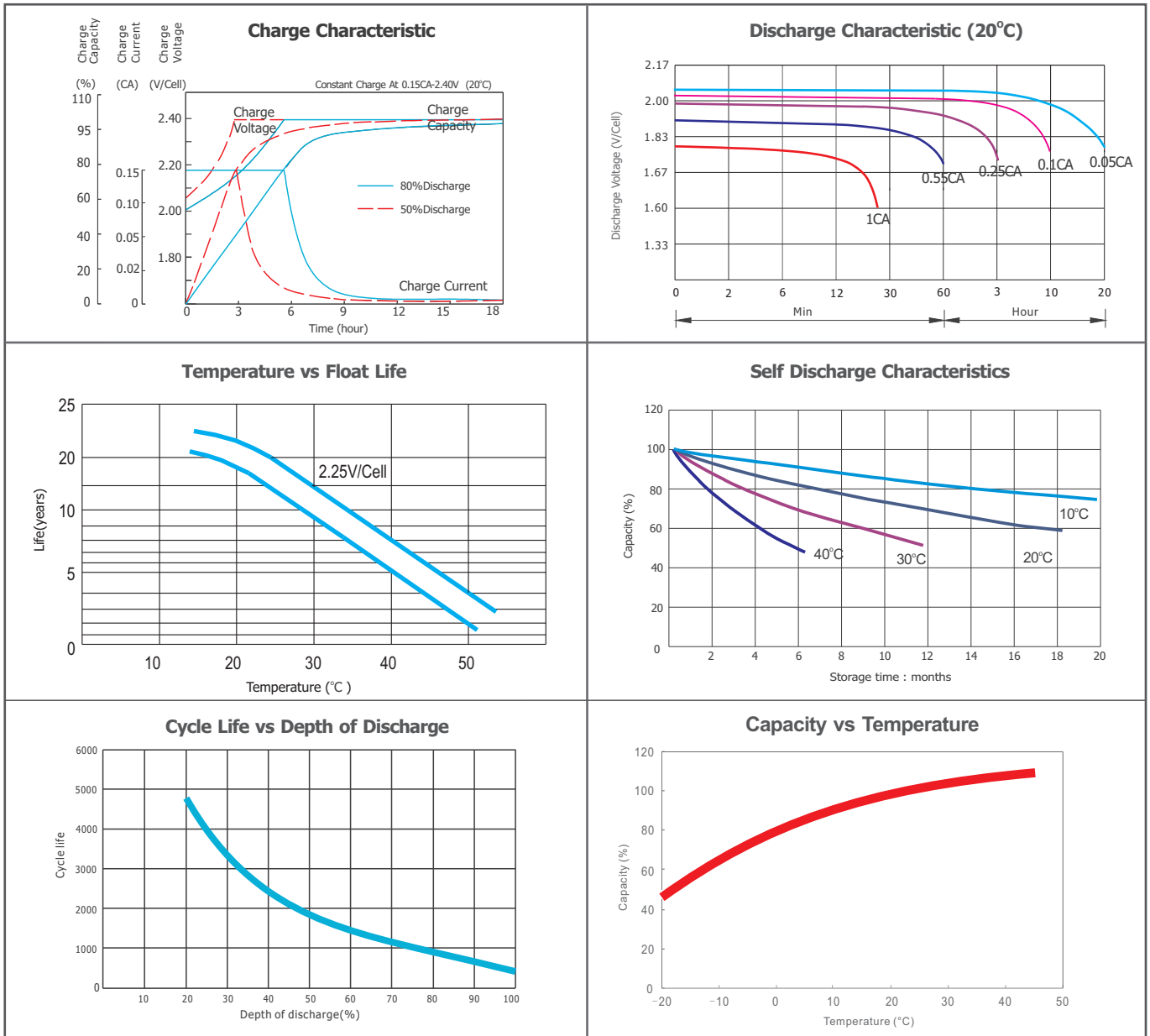


### BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	468	396	374	286	199	160	96.5	70.5	56.9	47.9	33.0	27.1
1.65V	413	364	352	264	191	153	94.0	69.0	55.6	47.0	32.5	26.7
1.70V	396	343	336	242	179	144	90.5	67.0	54.5	46.4	32.0	26.3
1.75V	377	326	318	226	171	139	87.5	65.0	53.0	45.1	31.6	25.7
1.80V	363	309	300	215	159	130	83.5	63.0	51.0	44.0	30.6	25.0
1.85V	321	273	266	194	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	785	673	640	495	348	282	173	128	104	88.6	62.5	51.5
1.65V	710	631	615	465	339	273	171	127	103	87.9	61.8	51.0
1.70V	697	606	596	434	323	261	167	124	102	87.6	61.3	50.5
1.75V	672	583	572	410	312	255	163	122	100	86.0	61.2	50.1
1.80V	657	562	548	396	294	242	158	120	97.9	85.1	60.0	49.3
1.85V	597	511	498	367	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	$\geq 1.90$ 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