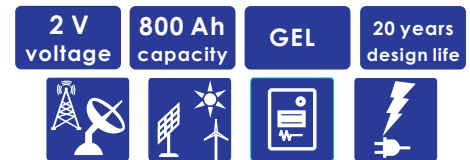


2V LSG SERIES VRLA BATTERY

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)	800 Ah @ C10 (to 1.80Vpc)
Dimensions	L154mm × W229mm × H566mm
Approx. Weight	52.7 kg (116 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.21mOhm (fully charged @ 20°C)
Max. Charge Current	200 A
Max. Discharge Current (5S)	3200 A
Short Circuit Current	9500 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



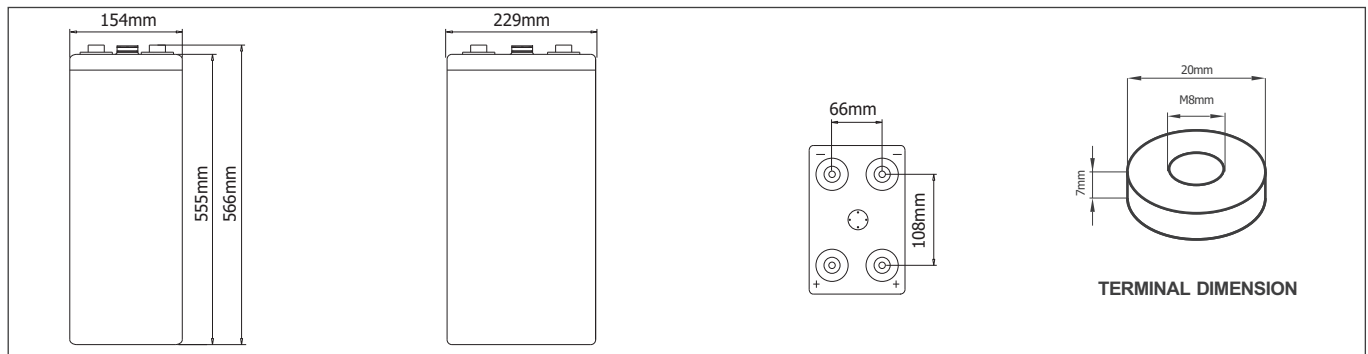
ISO14001



Complied standards

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

DIMENSIONS

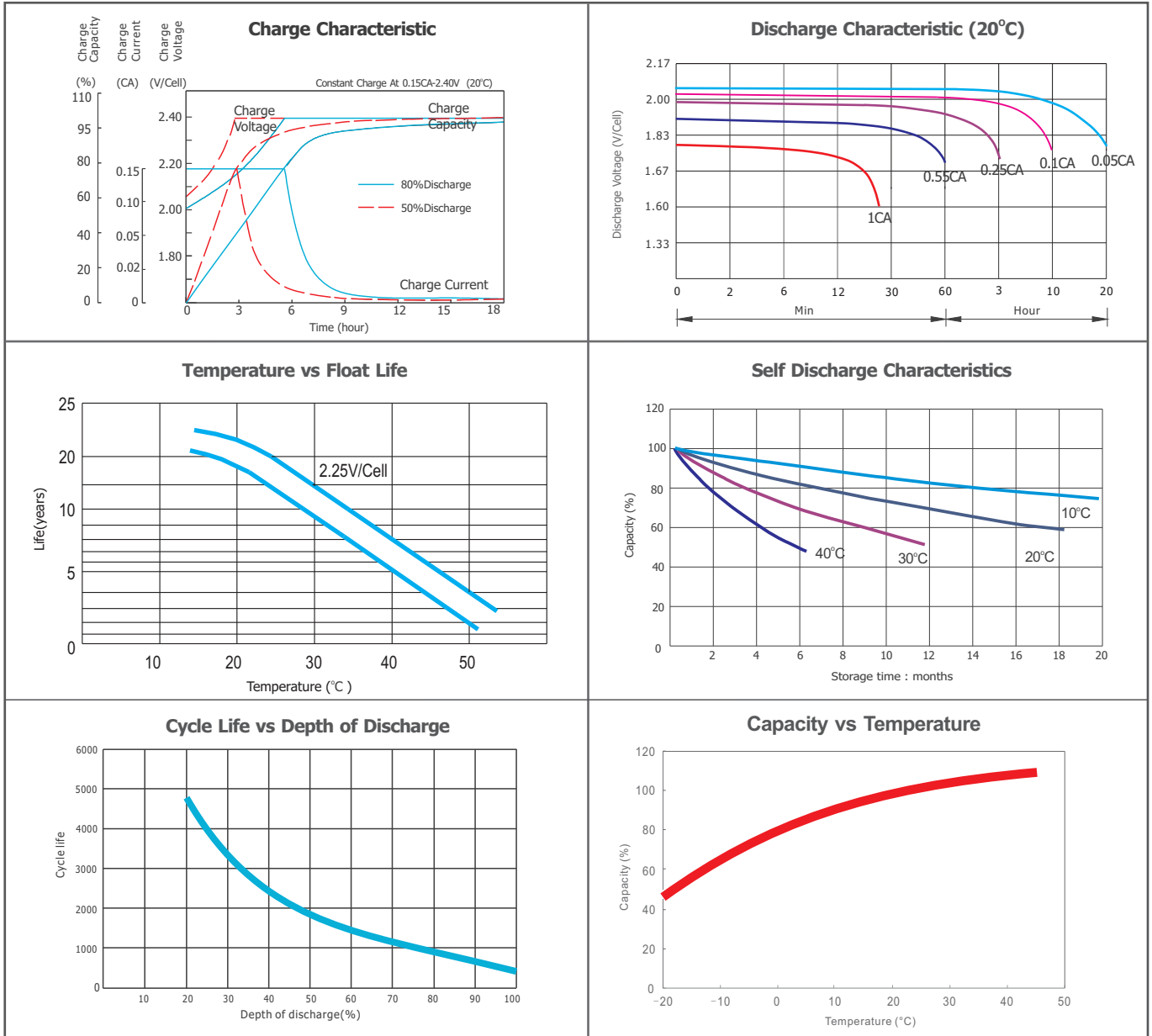


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	1360	1152	1088	832	637	512	309	226	182	153	105	86.7
1.65V	1200	1058	1024	768	610	488	301	221	178	150	104	85.4
1.70V	1152	998	976	704	571	461	290	214	174	148	102	84.2
1.75V	1098	947	925	656	546	443	280	208	170	144	101	82.2
1.80V	1056	898	872	624	507	414	267	202	163	141	98.0	80.0
1.85V	934	796	773	565	459	374	242	190	156	134	95.0	77.6

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	2285	1958	1863	1439	1114	901	553	408	333	284	200	165
1.65V	2064	1835	1789	1352	1085	874	547	405	330	281	198	163
1.70V	2028	1762	1733	1263	1034	836	533	398	327	280	196	162
1.75V	1954	1696	1665	1193	998	815	521	391	321	275	196	160
1.80V	1911	1634	1595	1151	941	773	505	384	313	272	192	158
1.85V	1738	1486	1450	1068	872	715	465	369	305	264	189	155

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