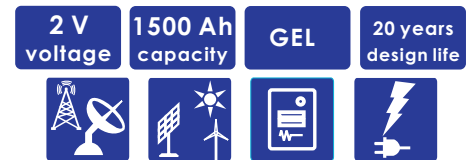


2V LSG SERIES VRLA BATTERY

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)	1500 Ah @ C ₁₀ (to 1.80Vpc)
Dimensions	L265.5mm × W229mm × H566mm
Approx. Weight	93.0 kg (205 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.14mOhm (fully charged @ 20°C)
Max. Charge Current	375 A
Max. Discharge Current (5S)	6000 A
Short Circuit Current	14000 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)



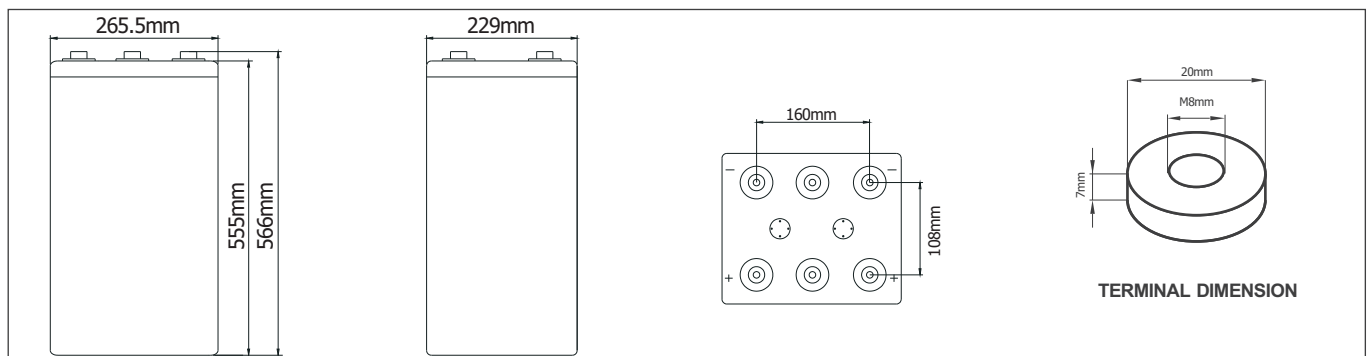
ISO9001

ISO14001

Complied standards

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

DIMENSIONS

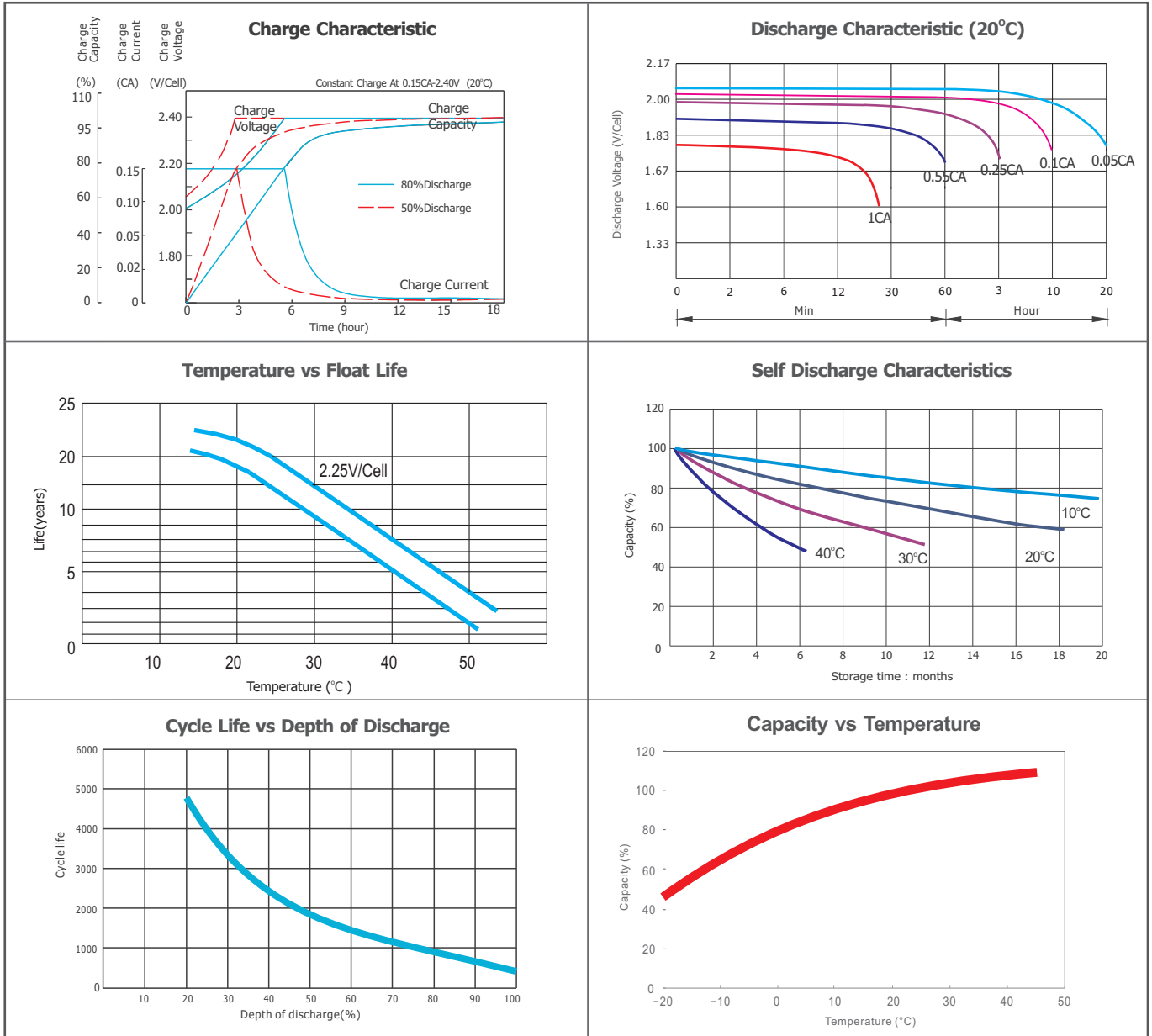


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	2550	2160	2040	1560	1194	960	579	423	341	287	198	163
1.65V	2250	1983	1920	1440	1143	915	564	414	334	282	195	160
1.70V	2160	1871	1830	1320	1071	864	543	402	327	278	192	158
1.75V	2058	1776	1734	1230	1023	831	525	390	318	270	189	154
1.80V	1980	1684	1635	1170	951	777	501	378	306	264	184	150
1.85V	1752	1492	1449	1059	861	702	453	357	293	252	178	146

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	4284	3672	3492	2699	2090	1690	1037	765	624	532	375	309
1.65V	3870	3441	3354	2534	2035	1638	1026	760	619	527	371	306
1.70V	3802	3304	3249	2368	1939	1568	999	747	613	526	368	303
1.75V	3663	3179	3121	2237	1872	1528	978	732	603	516	367	301
1.80V	3584	3064	2990	2159	1764	1449	946	721	588	511	360	296
1.85V	3259	2786	2718	2002	1636	1340	872	693	572	495	354	290

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