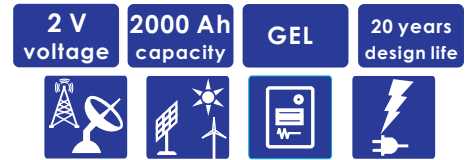


2V LSG SERIES VRLA BATTERY

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

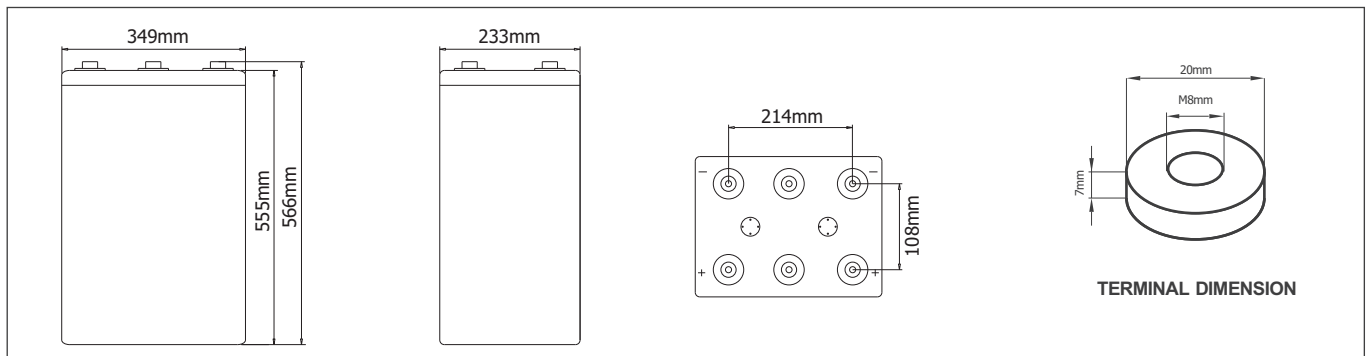
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	2000 Ah @ C10 (to 1.80Vpc)
Dimensions	L349mm × W233mm × H566mm
Approx. Weight	122 kg (269lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.17mOhm (fully charged @ 20°C)
Max. Charge Current	500 A
Max. Discharge Current (5S)	6000 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

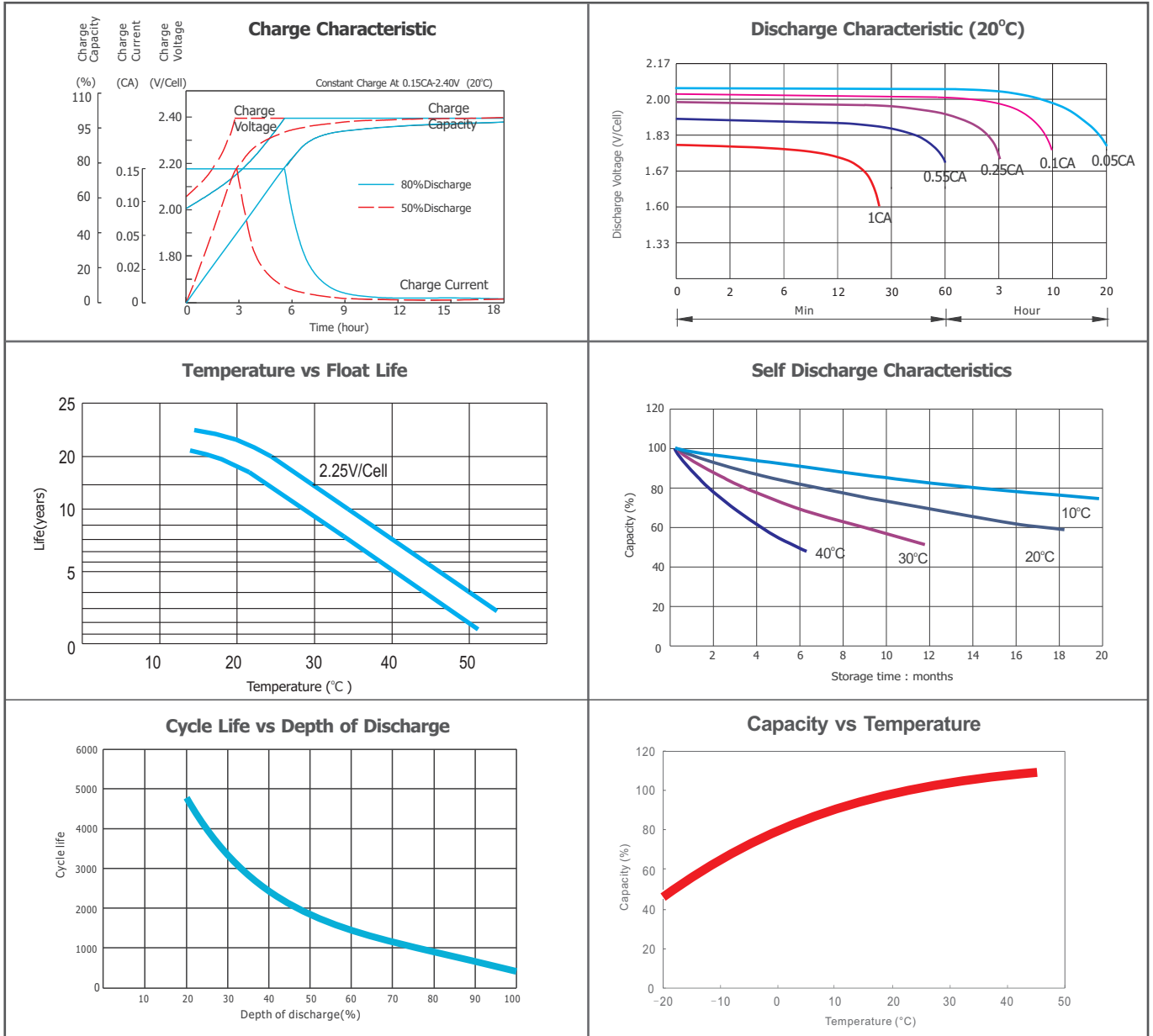


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	2975	2520	2380	1820	1592	1280	772	564	455	383	264	217
1.65V	2625	2314	2240	1680	1524	1220	752	552	445	376	260	214
1.70V	2520	2183	2135	1540	1428	1152	724	536	436	371	256	210
1.75V	2401	2072	2023	1435	1364	1108	700	520	424	360	252	206
1.80V	2310	1965	1908	1365	1268	1036	668	504	408	352	245	200
1.85V	2044	1740	1691	1236	1148	936	604	476	390	336	238	194

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	4998	4284	4075	3149	2786	2253	1383	1020	833	709	500	412
1.65V	4515	4014	3914	2957	2713	2184	1368	1013	825	703	494	408
1.70V	4435	3855	3790	2763	2585	2091	1332	996	818	701	491	404
1.75V	4274	3709	3641	2610	2496	2038	1303	977	803	688	490	401
1.80V	4181	3574	3488	2518	2352	1932	1262	961	783	681	480	394
1.85V	3802	3251	3171	2335	2181	1787	1162	923	762	661	472	387

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