

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)	1000 Ah @ C ₁₀ (to 1.80Vpc)
Dimensions	L186mm × W229mm × H566mm
Approx. Weight	62.8 kg (138 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.18mOhm (fully charged @ 20°C)
Max. Charge Current	250 A
Max. Discharge Current (5S)	4000 A
Short Circuit Current	11000 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



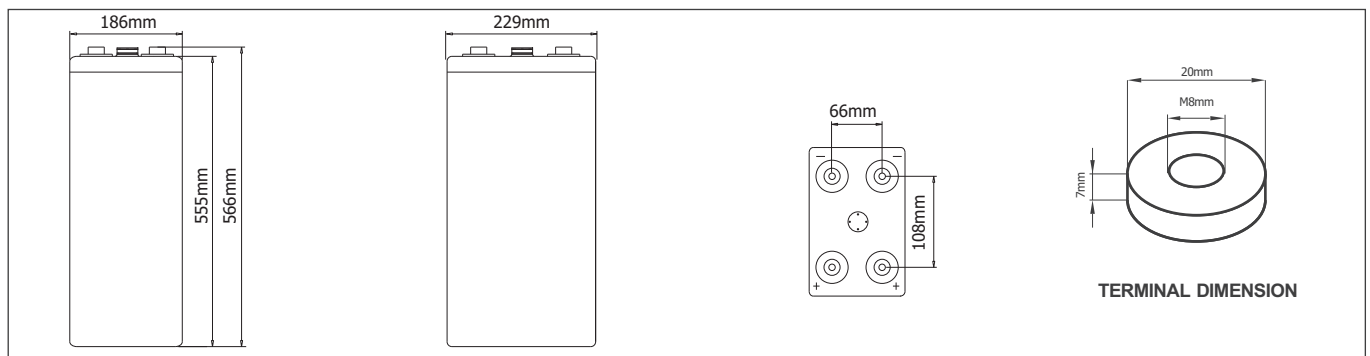
ISO14001



Complied standards

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

DIMENSIONS

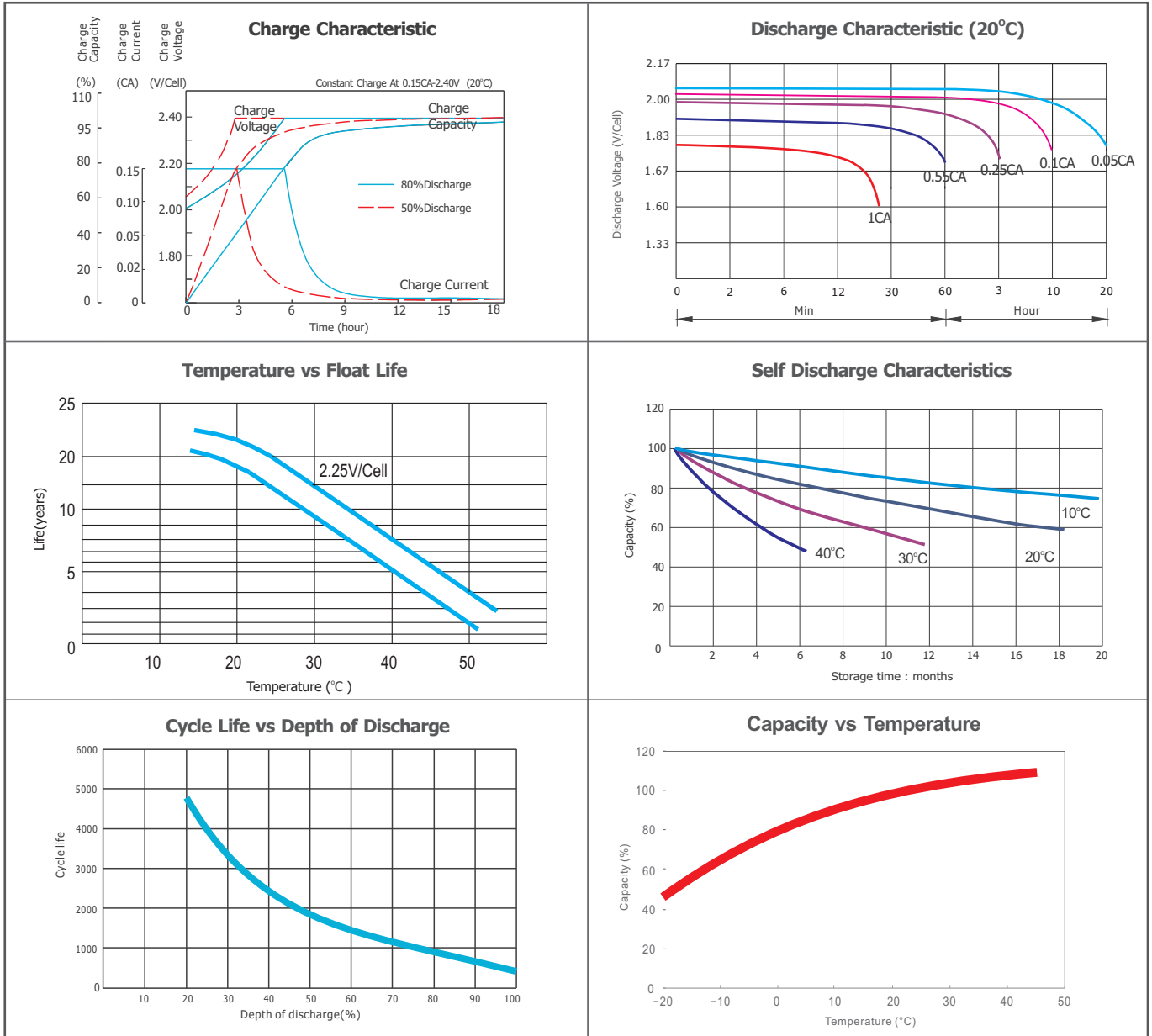


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	1700	1440	1360	1040	796	640	386	282	228	192	132	108
1.65V	1500	1322	1280	960	762	610	376	276	223	188	130	107
1.70V	1440	1247	1220	880	714	576	362	268	218	185	128	105
1.75V	1372	1184	1156	820	682	554	350	260	212	180	126	103
1.80V	1320	1123	1090	780	634	518	334	252	204	176	123	100
1.85V	1168	994	966	706	574	468	302	238	195	168	119	97.0

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	2856	2448	2328	1799	1393	1126	691	510	416	354	250	206
1.65V	2580	2294	2236	1690	1356	1092	684	507	413	352	247	204
1.70V	2534	2203	2166	1579	1292	1045	666	498	409	350	245	202
1.75V	2442	2119	2081	1491	1248	1019	652	488	402	344	245	200
1.80V	2389	2042	1993	1439	1176	966	631	481	392	340	240	197
1.85V	2172	1858	1812	1334	1091	893	581	462	381	330	236	194

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