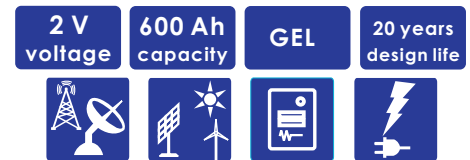


2V LSG SERIES VRLA BATTERY

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

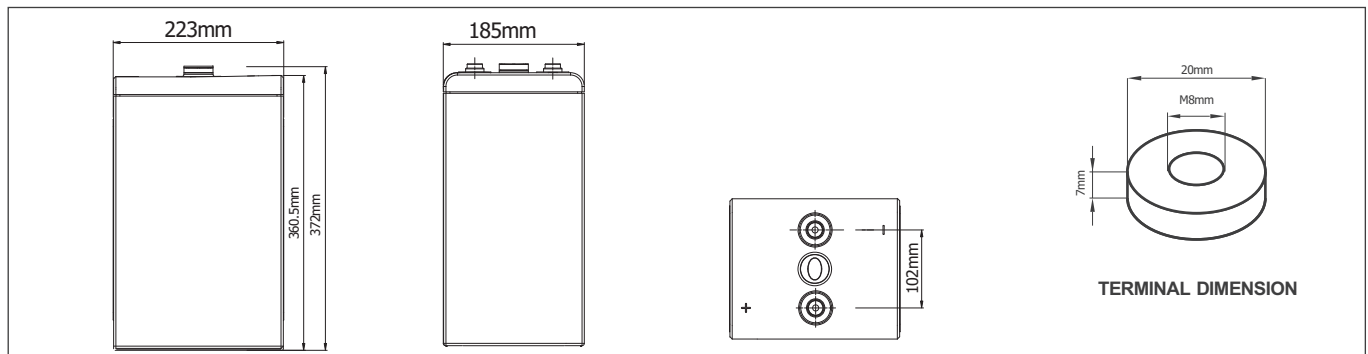
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	600 Ah @ C ₁₀ (to 1.80Vpc)
Dimensions	L223mm × W185mm × H372mm
Approx. Weight	36.0 kg (79.4 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.28mOhm (fully charged @ 20°C)
Max. Charge Current	150 A
Max. Discharge Current (5S)	2000 A
Short Circuit Current	7000 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

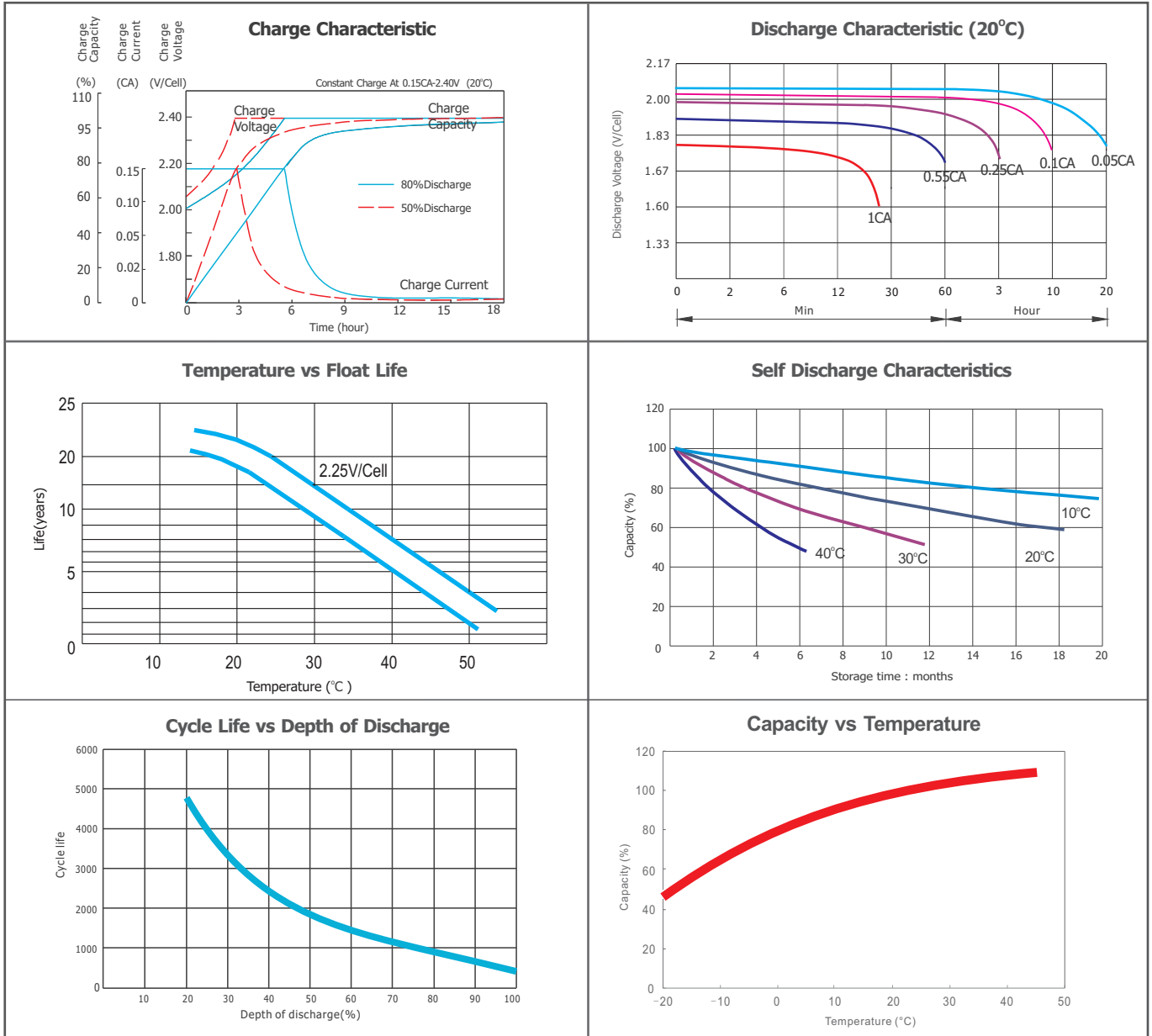


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	893	756	714	546	478	384	232	169	137	115	79.1	65.0
1.65V	788	694	672	504	457	366	226	166	134	113	78.0	64.1
1.70V	756	655	641	462	428	346	217	161	131	111	76.7	63.1
1.75V	720	621	607	431	409	332	210	156	127	108	75.7	61.7
1.80V	693	589	572	410	380	311	200	151	122	106	73.5	60.0
1.85V	613	522	507	371	344	281	181	143	117	101	71.3	58.2

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	1499	1285	1222	945	836	676	415	306	250	213	150	124
1.65V	1355	1204	1174	887	814	655	410	304	248	211	148	122
1.70V	1331	1156	1137	829	775	627	400	299	245	210	147	121
1.75V	1282	1113	1092	783	749	611	391	293	241	207	147	120
1.80V	1254	1072	1047	756	706	580	378	288	235	204	144	118
1.85V	1141	975	951	701	654	536	349	277	229	198	142	116

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