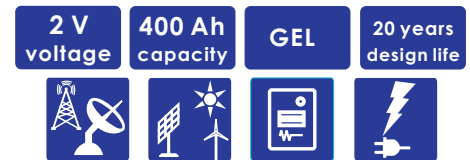


2V LSG SERIES VRLA BATTERY

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)	400 Ah @ C10 (to 1.80Vpc)
Dimensions	L166mm × W185mm × H372mm
Approx. Weight	25.5 kg (66.2 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.34mOhm (fully charged @ 20°C)
Max. Charge Current	100 A
Max. Discharge Current (5S)	1800 A
Short Circuit Current	5700 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)



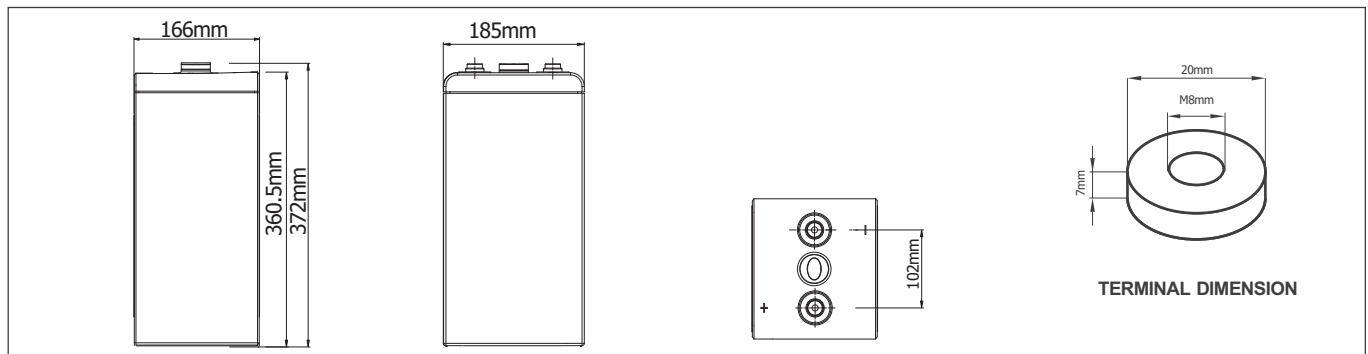
ISO9001

ISO14001

Complied standards

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

DIMENSIONS

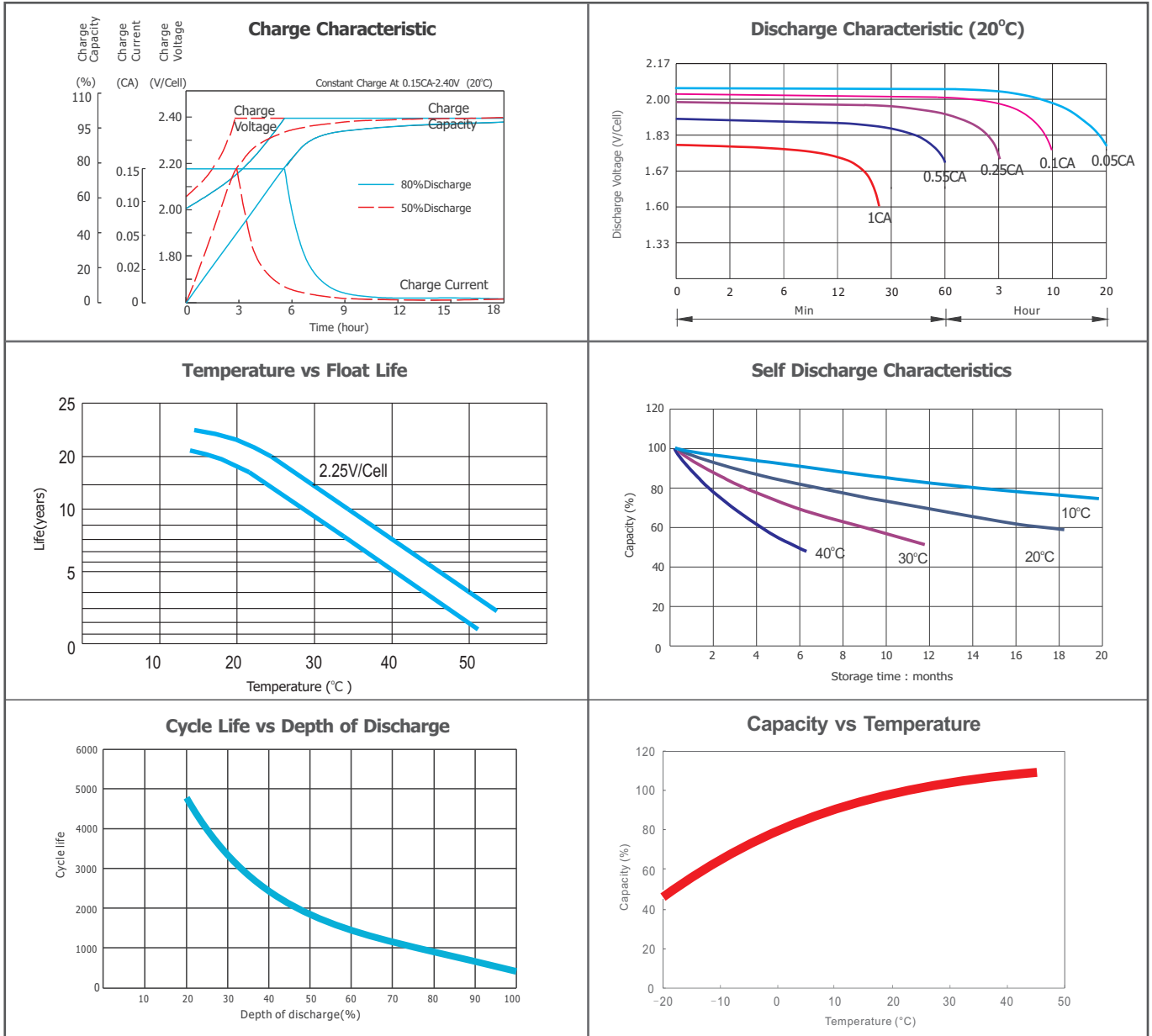


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	680	576	544	416	318	256	154	113	91.0	76.6	52.7	43.4
1.65V	600	529	512	384	305	244	150	110	89.0	75.2	52.0	42.7
1.70V	576	499	488	352	286	230	145	107	87.2	74.2	51.1	42.1
1.75V	549	473	462	328	273	222	140	104	84.8	72.1	50.5	41.1
1.80V	528	449	436	312	254	207	134	101	81.6	70.4	49.0	40.0
1.85V	467	398	386	282	230	187	121	95.2	78.0	67.2	47.5	38.8

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	1142	979	931	720	557	451	277	204	167	142	100	82.4
1.65V	1032	917	895	676	543	437	274	203	165	141	98.8	81.6
1.70V	1014	881	866	632	517	418	266	199	164	140	98.2	80.8
1.75V	977	848	832	597	499	408	261	195	161	138	97.9	80.2
1.80V	956	817	797	576	470	386	252	192	157	136	96.0	78.8
1.85V	869	743	725	534	436	357	232	185	152	132	94.4	77.4

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