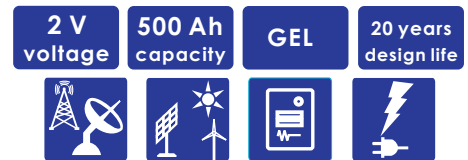


2V LSG SERIES VRLA BATTERY

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

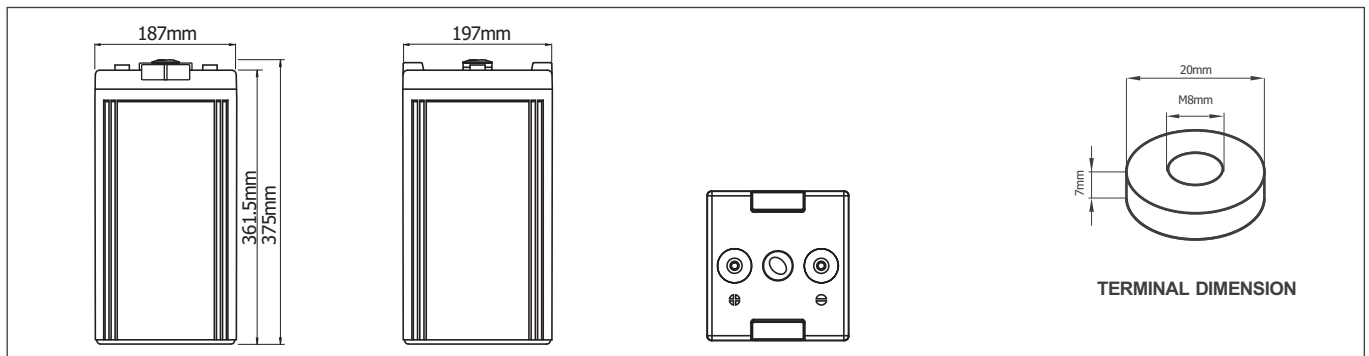
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	500 Ah @ C10 (to 1.80Vpc)
Dimensions	L197mm × W187mm × H375mm
Approx. Weight	31.0 kg (68.4 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.3mOhm (fully charged @ 20°C)
Max. Charge Current	125 A
Max. Discharge Current (5S)	2000 A
Short Circuit Current	6000 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

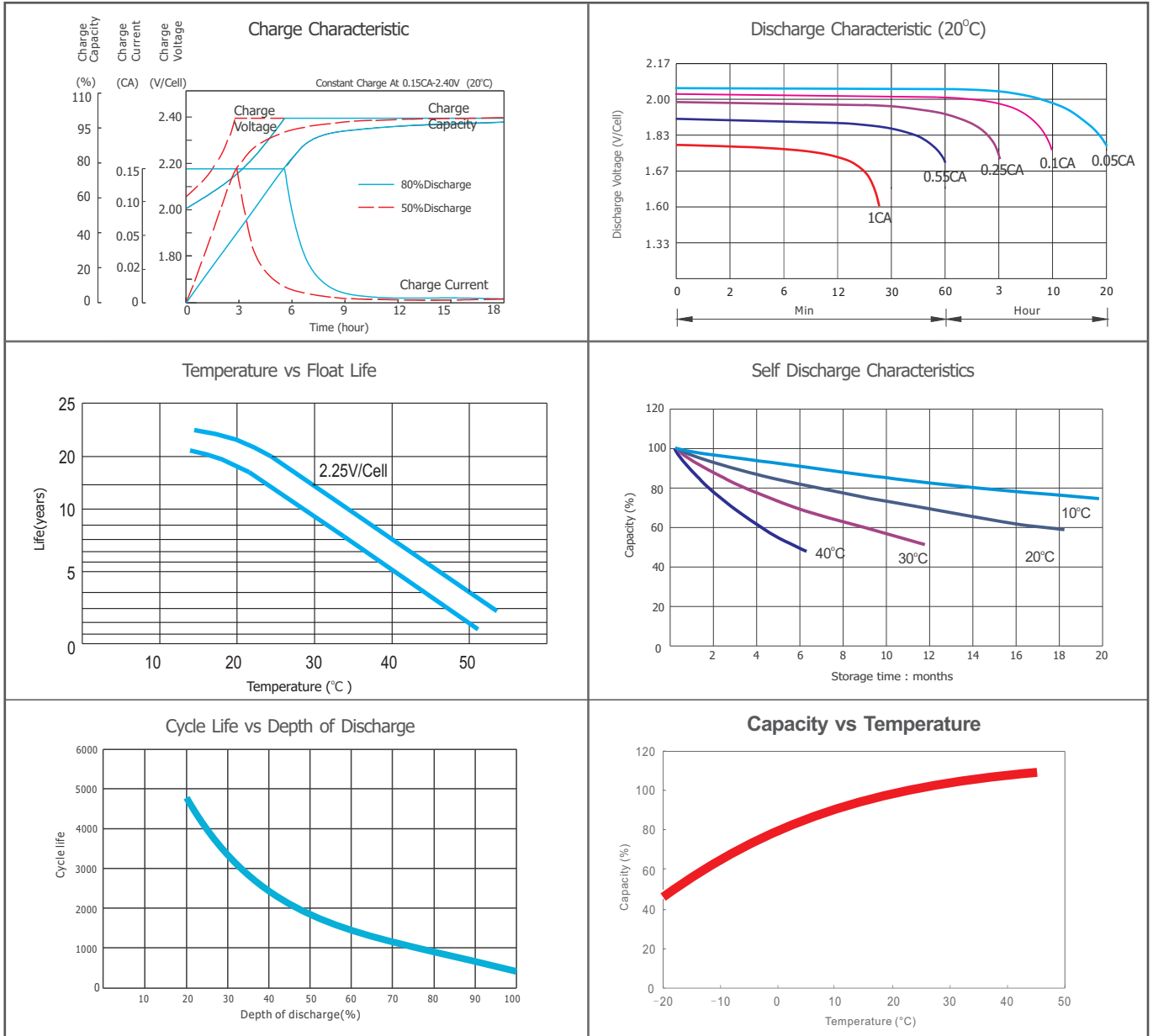


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	850	720	680	520	398	320	193	141	114	95.8	65.9	54.2
1.65V	750	661	640	490	381	305	188	138	110	93.5	65.0	53.4
1.70V	720	624	610	440	357	288	181	134	109	92.7	63.9	52.6
1.75V	686	592	578	410	341	277	175	130	106	90.1	63.1	51.4
1.80V	660	561	545	390	317	270	167	126	102	88.0	61.3	50.0
1.85V	584	497	483	353	287	238	151	119	97.5	84.0	59.4	48.5

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	1428	1224	1164	900	693	563	346	255	208	178	125	103
1.65V	1290	1147	1118	862	674	546	342	253	205	176	124	102
1.70V	1267	1101	1083	789	643	523	333	249	204	175	123	101
1.75V	1221	1060	1040	746	624	509	326	244	201	172	122	100
1.80V	1195	1021	997	720	587	483	315	240	196	170	120	98.5
1.85V	1086	929	906	667	545	447	291	231	191	165	118	96.8

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