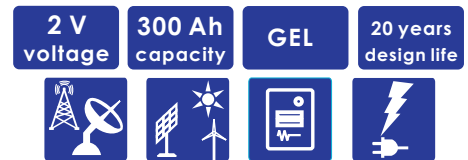


2V LSG SERIES VRLA BATTERY

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)	300 Ah @ C10 (to 1.80Vpc)
Dimensions	L126mm × W187mm × H375mm
Approx. Weight	19.4 kg (42.8 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.47mOhm (fully charged @ 20°C)
Max. Charge Current	75 A
Max. Discharge Current (5S)	1500 A
Short Circuit Current	4200 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)



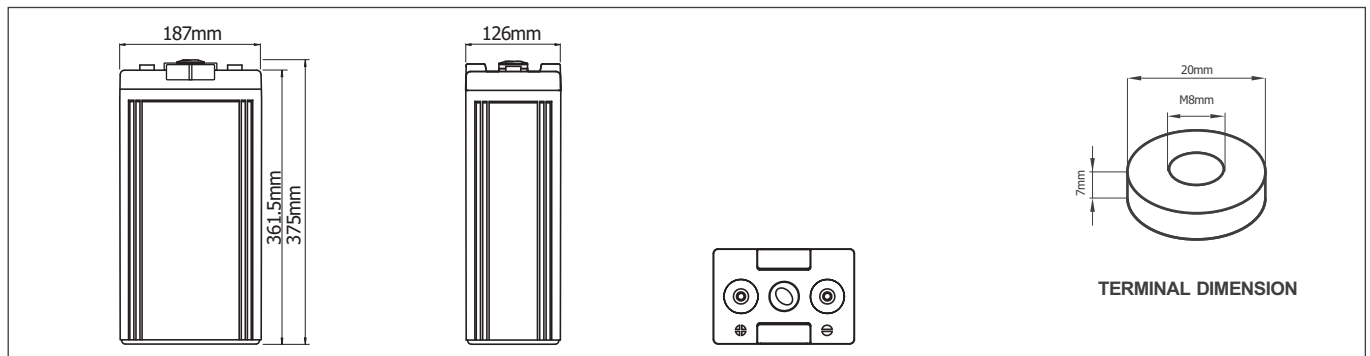
ISO9001

ISO14001

Complied standards

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

DIMENSIONS

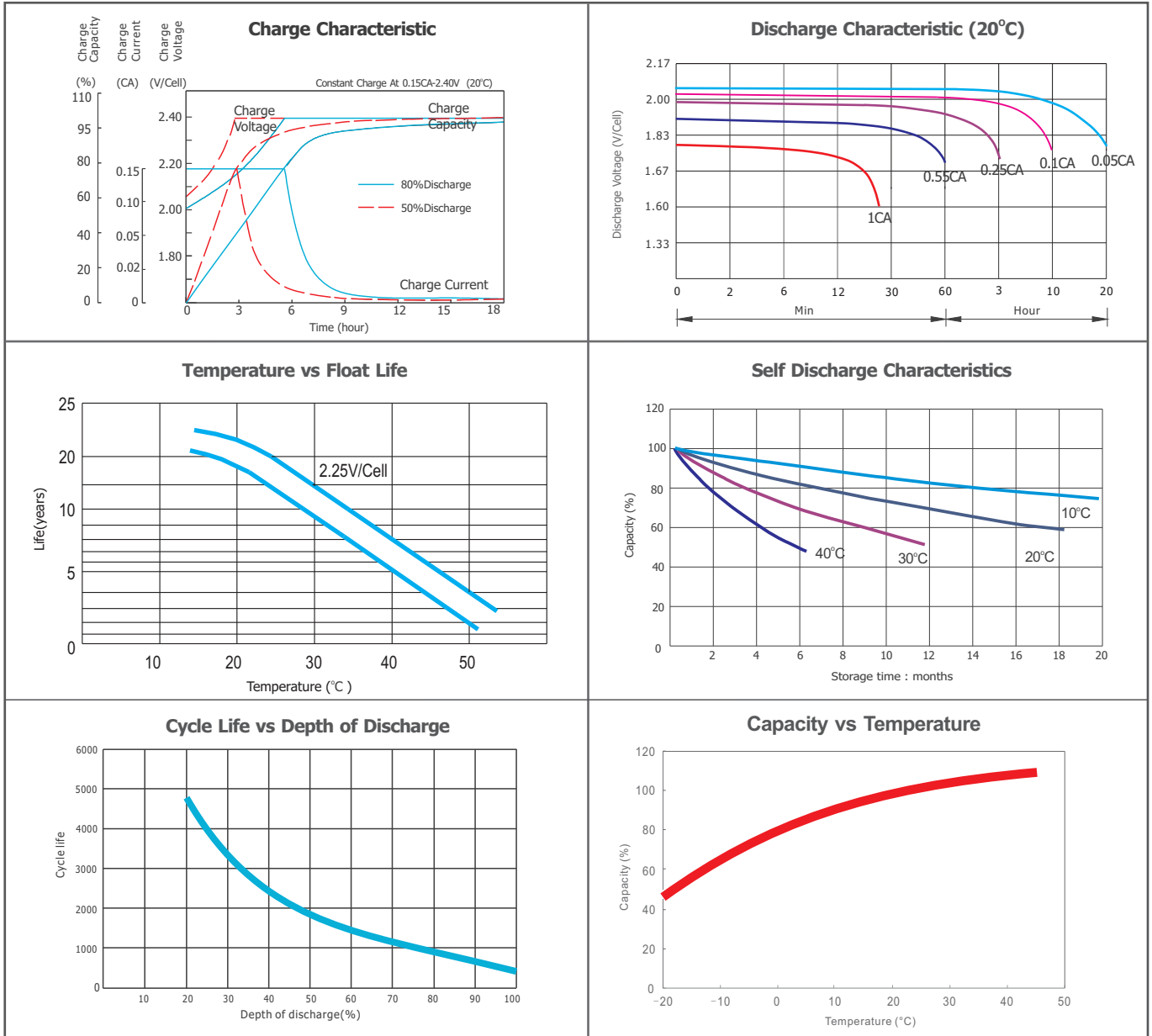


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	600	497	450	312	239	192	116	84.6	68.3	57.5	39.5	32.5
1.65V	531	456	422	288	229	183	113	82.8	66.8	56.4	39.0	32.0
1.70V	497	430	403	264	214	173	109	80.4	65.4	55.6	38.3	31.6
1.75V	450	408	381	246	205	166	105	78.0	63.6	54.1	37.9	30.8
1.80V	396	347	327	234	190	155	100	75.6	61.2	52.8	36.8	30.0
1.85V	350	310	290	212	172	140	90.6	71.4	58.5	50.4	35.6	29.1

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	985	845	768	540	418	338	207	153	125	106	75.0	61.8
1.65V	890	791	738	507	407	328	205	152	124	105	74.1	61.2
1.70V	874	760	715	474	388	314	200	149	123	105	73.6	60.6
1.75V	806	699	687	447	374	306	196	146	121	103	73.4	60.1
1.80V	717	631	598	432	353	290	189	144	118	102	72.0	59.1
1.85V	652	580	544	400	327	268	174	139	114	99.1	70.8	58.1

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