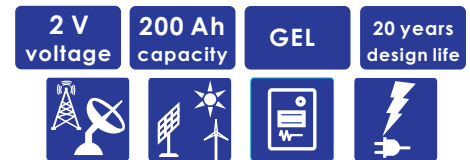


2V LSG SERIES VRLA BATTERY

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)	200 Ah @ C10 (to 1.80Vpc)
Dimensions	L173mm × W109mm × H365mm
Approx. Weight	13.5 kg (29.8 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.7mOhm (fully charged @ 20°C)
Max. Charge Current	50 A
Max. Discharge Current (5S)	1200 A
Short Circuit Current	2800 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)



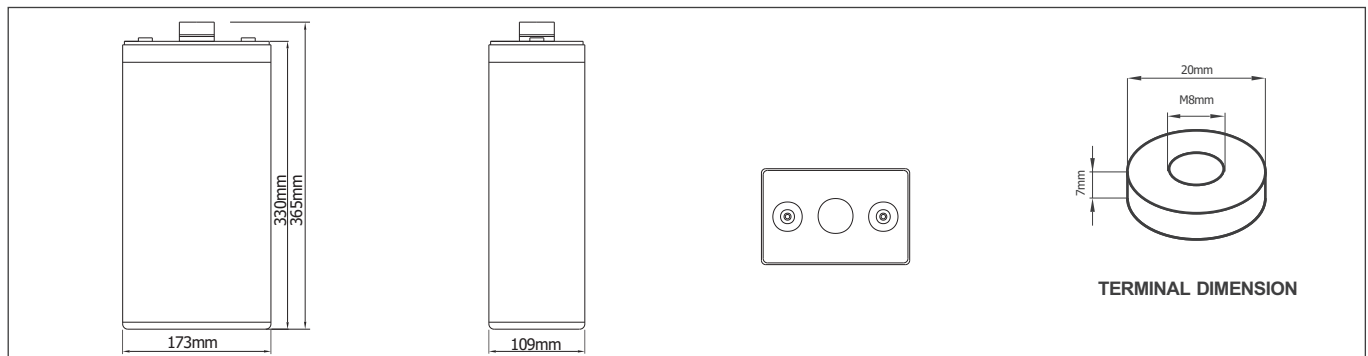
ISO9001

ISO14001

Complied standards

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

DIMENSIONS

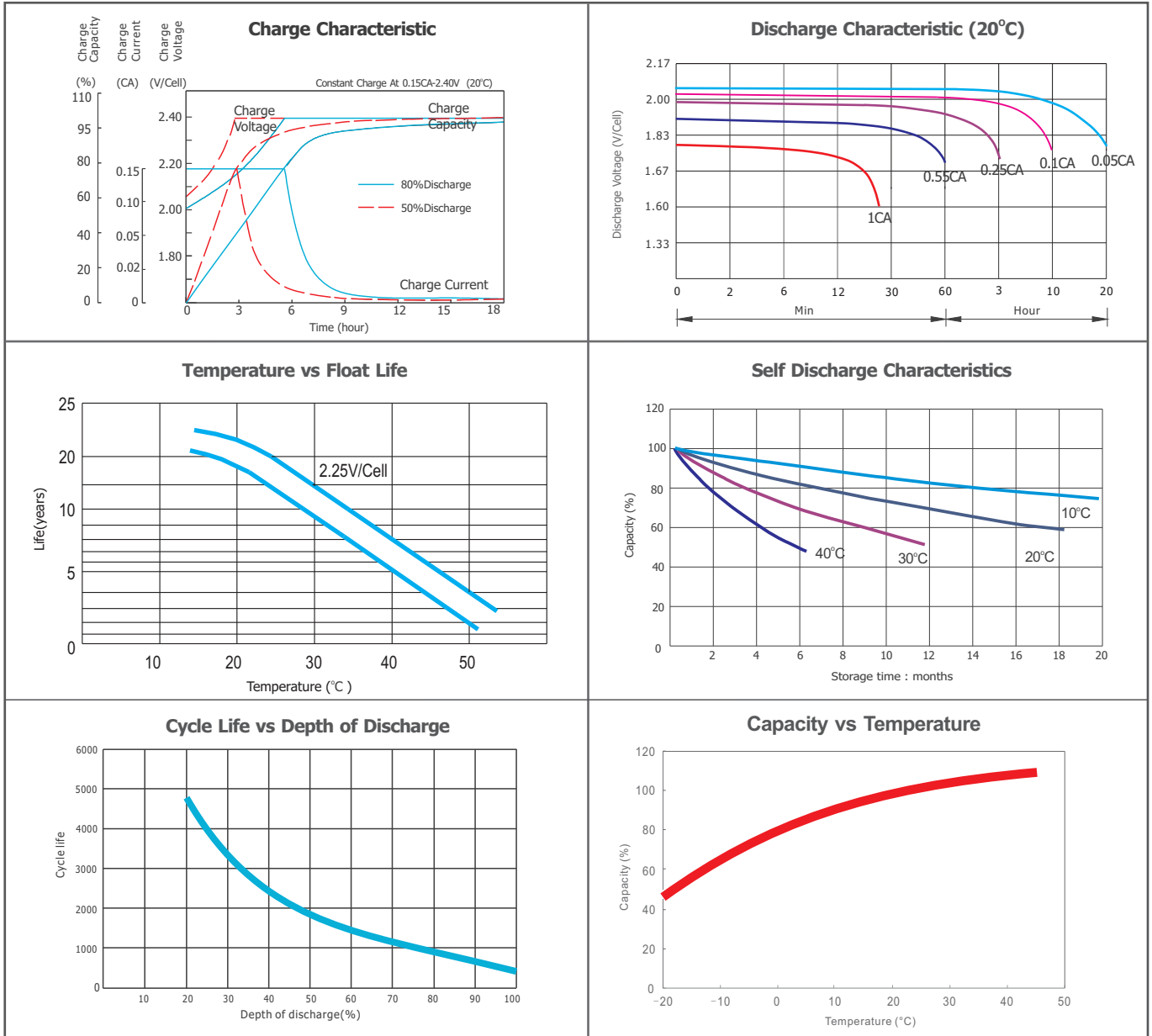


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	374	317	299	229	159	128	77.2	56.4	45.5	38.3	26.4	21.7
1.65V	330	291	282	211	152	122	75.2	55.2	44.5	37.6	26.0	21.4
1.70V	317	274	268	194	143	115	72.4	53.6	43.6	37.1	25.6	21.0
1.75V	302	260	254	180	136	111	70.0	52.0	42.4	36.0	25.2	20.6
1.80V	290	247	240	172	127	104	66.8	50.4	40.8	35.2	24.5	20.0
1.85V	257	219	213	155	115	93.6	60.4	47.6	39.0	33.6	23.8	19.4

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	628	539	512	396	279	225	138	102	83.3	70.9	50.0	41.2
1.65V	568	505	492	372	271	218	137	101	82.5	70.3	49.4	40.8
1.70V	558	485	476	347	258	209	133	100	81.8	70.1	49.1	40.4
1.75V	537	466	458	328	250	204	130	97.7	80.3	68.8	49.0	40.1
1.80V	526	449	439	317	235	193	126	96.1	78.3	68.1	48.0	39.4
1.85V	478	409	399	294	218	179	116	92.3	76.2	66.1	47.2	38.7

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