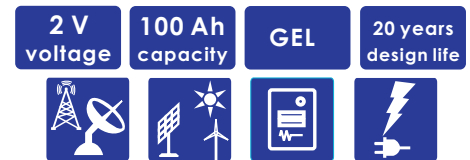


2V LSG SERIES VRLA BATTERY

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)	100 Ah @ C10 (to 1.80Vpc)
Dimensions	L171mm × W72mm × H220mm
Approx. Weight	6.2 kg (13.7 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.9mOhm (fully charged @ 20°C)
Max. Charge Current	25 A
Max. Discharge Current (5S)	800 A
Short Circuit Current	2200 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



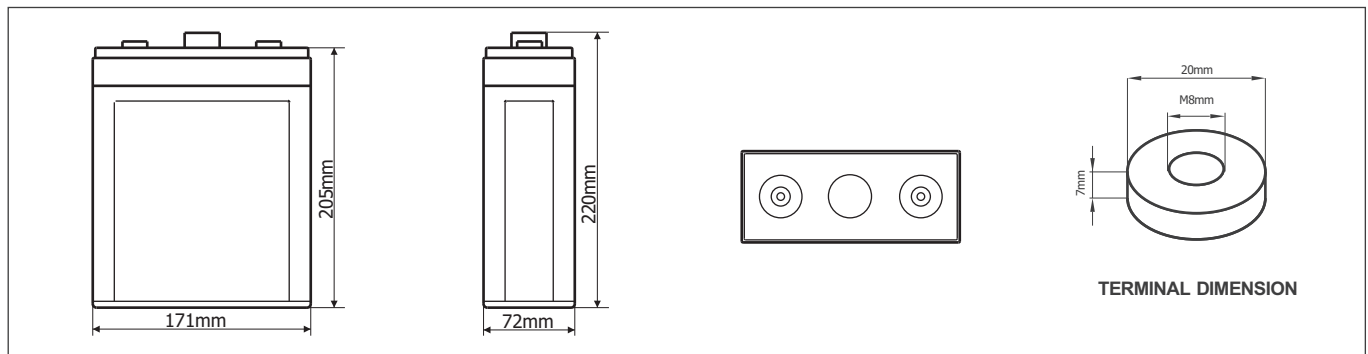
ISO14001



Complied standards

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

DIMENSIONS

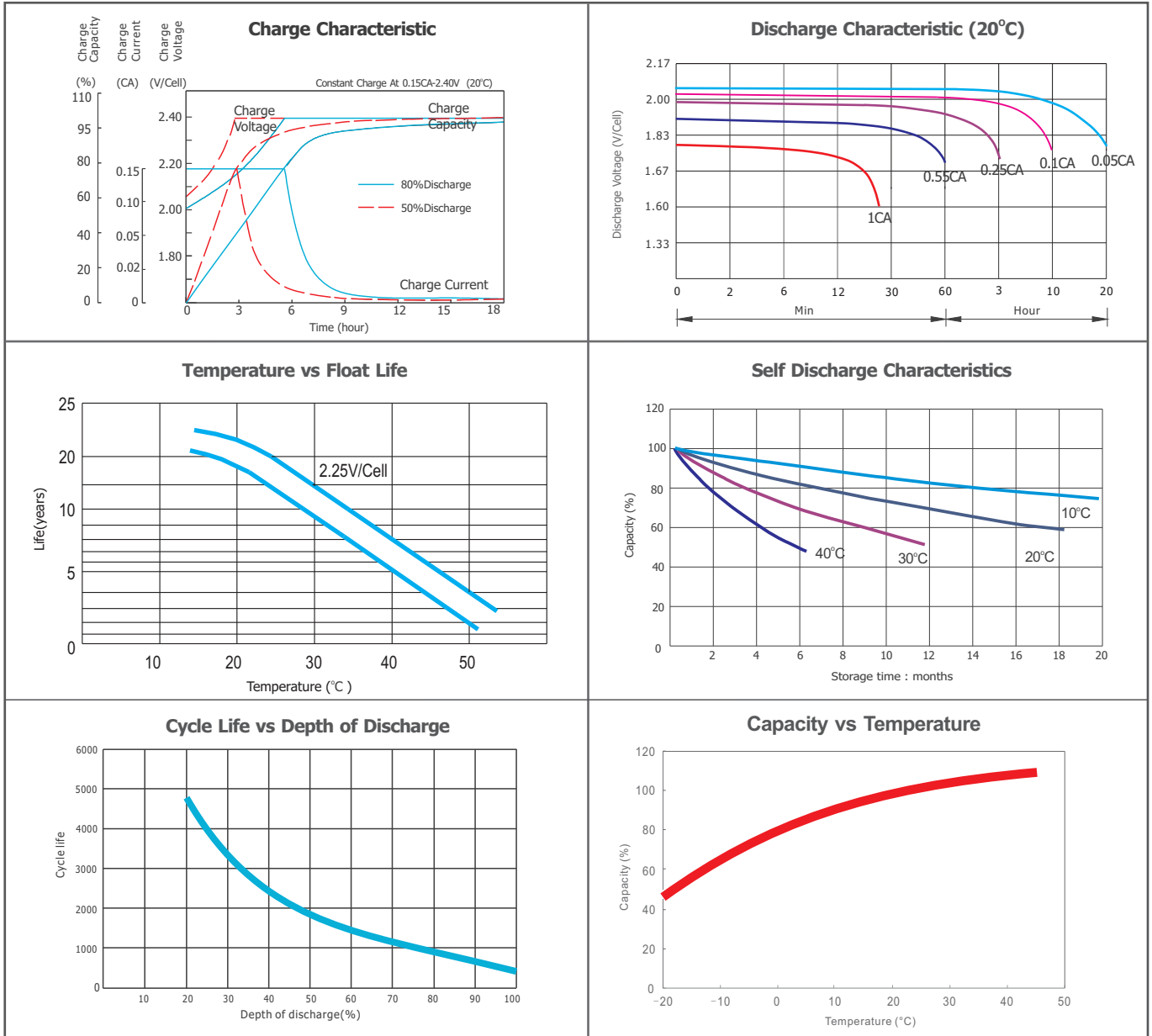


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	255	202	177	114	79.6	64.0	38.6	28.2	22.8	19.2	13.2	10.8
1.65V	225	185	166	106	76.2	61.0	37.6	27.6	22.3	18.8	13.0	10.7
1.70V	216	175	159	96.8	71.4	57.6	36.2	26.8	21.8	18.5	12.8	10.5
1.75V	206	166	150	90.2	68.2	55.4	35.0	26.0	21.2	18.0	12.6	10.3
1.80V	198	157	142	85.8	63.4	51.8	33.4	25.2	20.4	17.6	12.3	10.0
1.85V	175	139	126	77.7	57.4	46.8	30.2	23.8	19.5	16.8	11.9	9.70

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	428	343	303	198	139	113	69.1	51.0	41.6	35.4	25.0	20.6
1.65V	387	321	291	186	136	109	68.4	50.7	41.3	35.2	24.7	20.4
1.70V	380	308	282	174	129	105	66.6	49.8	40.9	35.0	24.5	20.2
1.75V	366	297	271	164	125	102	65.2	48.8	40.2	34.4	24.5	20.0
1.80V	358	286	259	158	118	96.6	63.1	48.1	39.2	34.0	24.0	19.7
1.85V	326	260	236	147	109	89.3	58.1	46.2	38.1	33.0	23.6	19.4

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