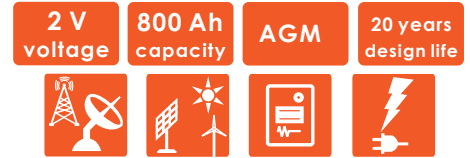


2V LSE SERIES VRLA BATTERY

The LSE series has a 20 years design life in float service. With heavy duty grids, thicker plates, special additives and updated AGM Valve Regulated technology, the LSE series battery provides consistent performance and long service life.

This series is highly suited for telecommunications, UPS systems, renewable energy systems, power stations and similar applications.



SPECIFICATIONS

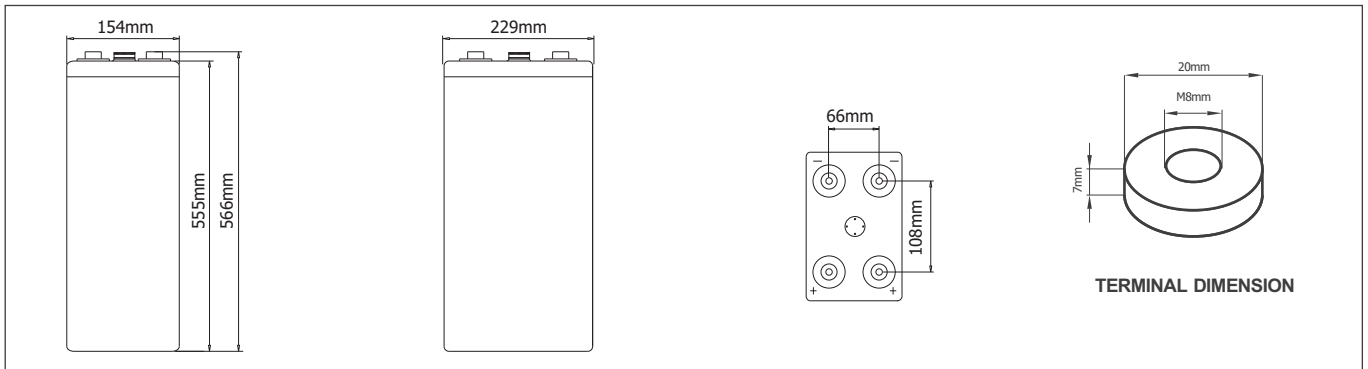
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	800 Ah @ C10 (to 1.80Vpc)
Dimensions	L154mm × W229mm × H566mm
Approx. Weight	52.0 kg (115 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.21mOhm (fully charged @ 20°C)
Max. Charge Current	200 A
Max. Discharge Current (5S)	3200 A
Short Circuit Current	9500 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -25~60°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

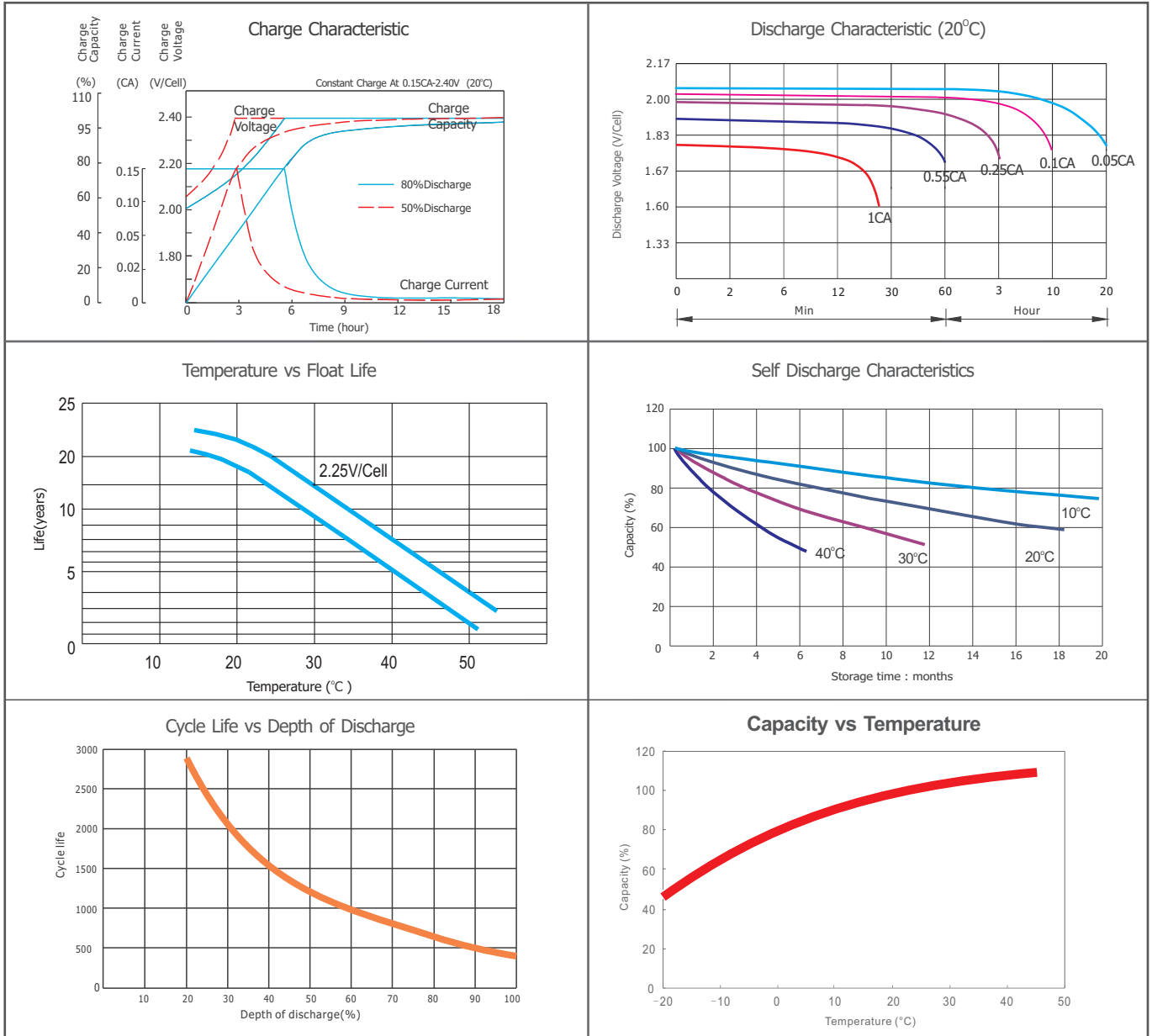


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	1374	1164	1099	840	637	512	309	226	182	153	105	86.7
1.65V	1212	1068	1034	776	610	488	301	221	178	150	104	85.4
1.70V	1164	1008	986	711	571	461	290	214	174	148	102	84.2
1.75V	1109	956	934	663	546	443	280	208	170	144	101	82.2
1.80V	1067	907	881	630	507	414	267	202	163	141	98.0	80.0
1.85V	944	804	781	570	459	374	242	190	156	134	95.0	77.6

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	2308	1978	1881	1454	1114	901	553	408	333	284	200	165
1.65V	2085	1853	1807	1365	1085	874	547	405	330	281	198	163
1.70V	2048	1780	1750	1276	1034	836	533	398	327	280	196	162
1.75V	1973	1713	1681	1205	998	815	521	391	321	275	194	160
1.80V	1930	1650	1611	1163	941	773	505	384	313	272	192	158
1.85V	1755	1501	1464	1078	872	715	465	369	305	264	189	155

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

