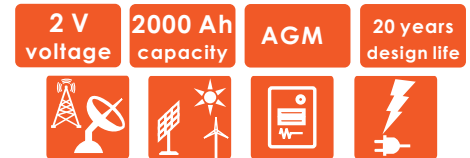


2V LSE SERIES VRLA BATTERY

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

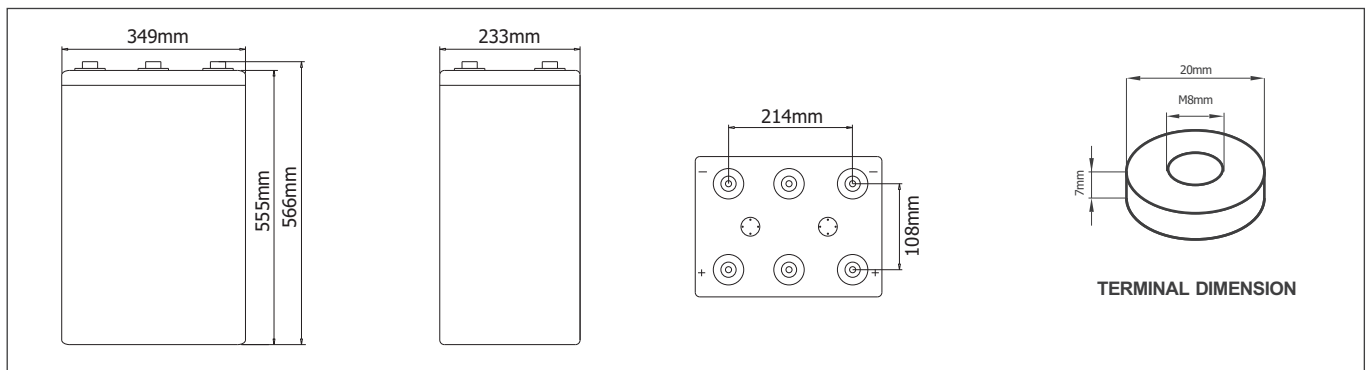
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	2000 Ah @ C ₁₀ (to 1.80Vpc)
Dimensions	L349mm × W233mm × H566mm
Approx. Weight	121 kg (267 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.17mOhm (fully charged @ 20°C)
Max. Charge Current	500 A
Max. Discharge Current (5S)	6000 A
Short Circuit Current	11500 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

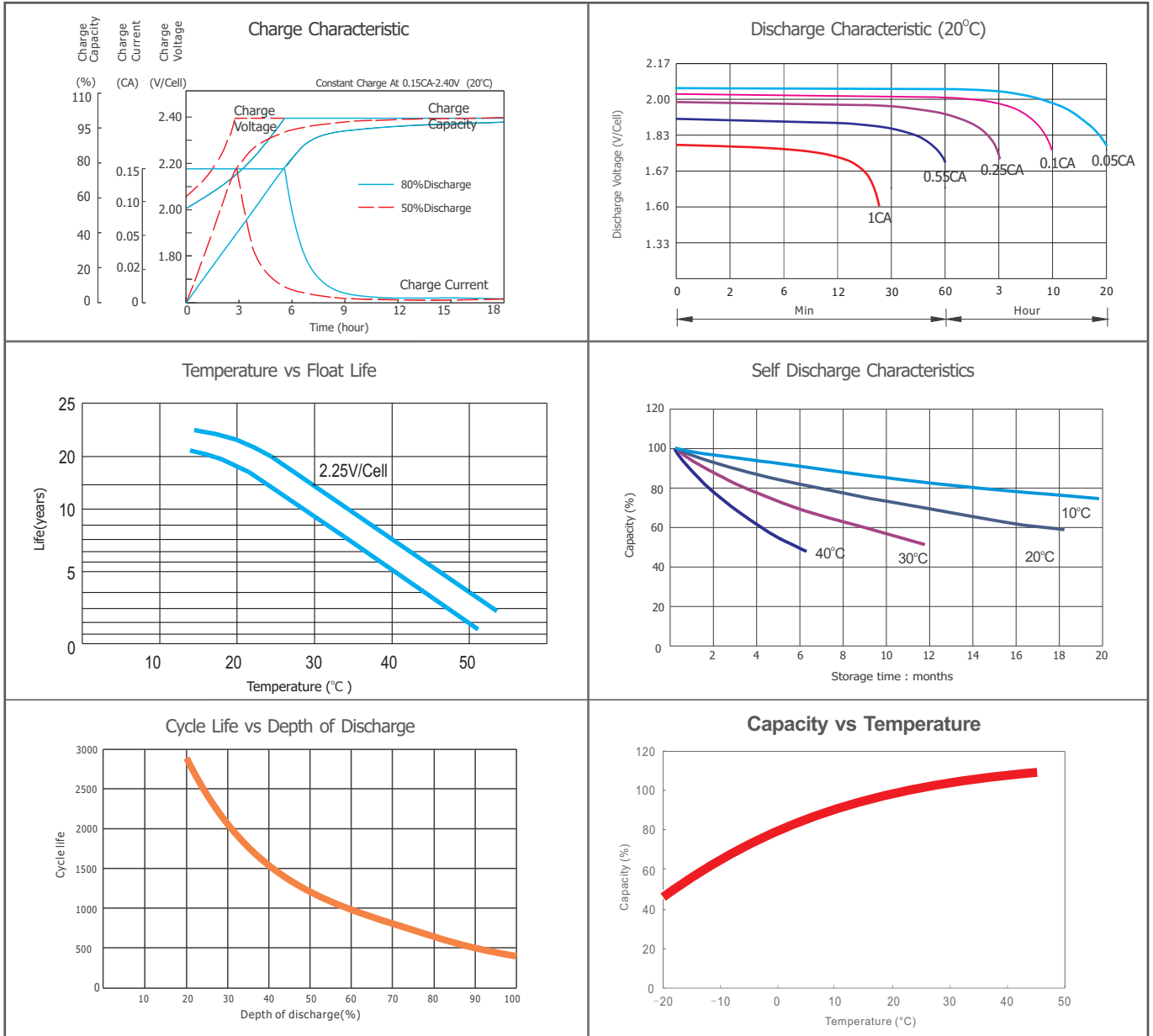


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	3005	2545	2404	1838	1592	1280	772	564	455	383	264	217
1.65V	2651	2337	2262	1697	1524	1220	752	552	445	376	260	214
1.70V	2545	2205	2156	1555	1428	1152	724	536	436	371	256	210
1.75V	2425	2092	2043	1449	1364	1108	700	520	424	360	252	206
1.80V	2333	1984	1927	1379	1268	1036	668	504	408	352	245	200
1.85V	2064	1758	1707	1248	1148	936	604	476	390	336	238	194

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	5048	4327	4115	3180	2786	2253	1383	1020	833	709	500	412
1.65V	4560	4054	3953	2986	2713	2184	1368	1013	825	703	494	408
1.70V	4480	3893	3828	2791	2585	2091	1332	996	818	701	491	404
1.75V	4317	3746	3678	2636	2496	2038	1303	977	803	688	490	401
1.80V	4223	3610	3523	2544	2352	1932	1262	961	783	681	480	394
1.85V	3840	3283	3203	2359	2181	1787	1162	923	762	661	472	387

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

