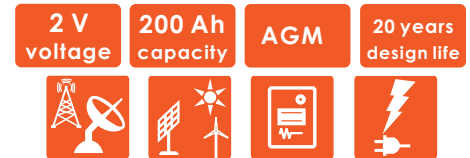


2V LSE SERIES VRLA BATTERY

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

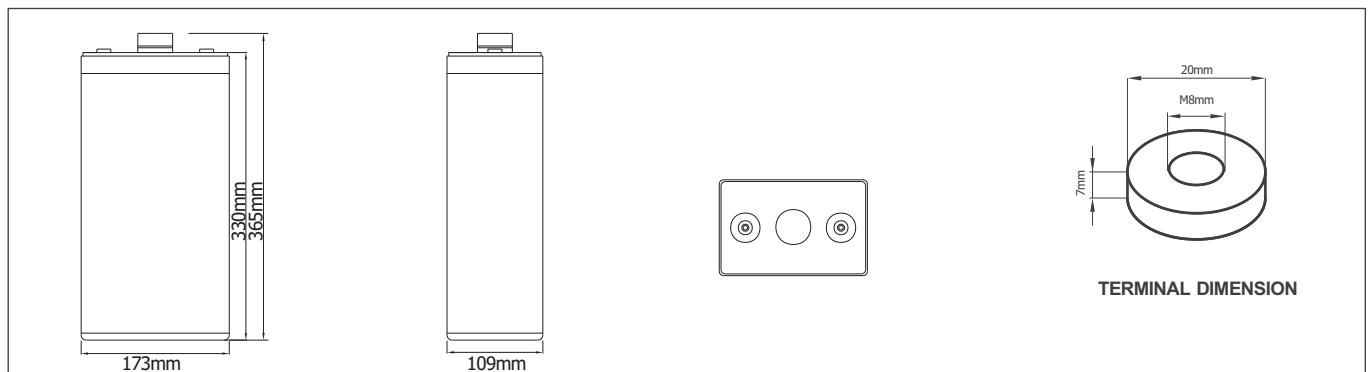
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	200 Ah @ C10 (to 1.80Vpc)
Dimensions	L173mm × W109mm × H365mm
Approx. Weight	12.8 kg (28.2 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.7mOhm (fully charged @ 20°C)
Max. Charge Current	50 A
Max. Discharge Current (5S)	1400 A
Short Circuit Current	2800 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

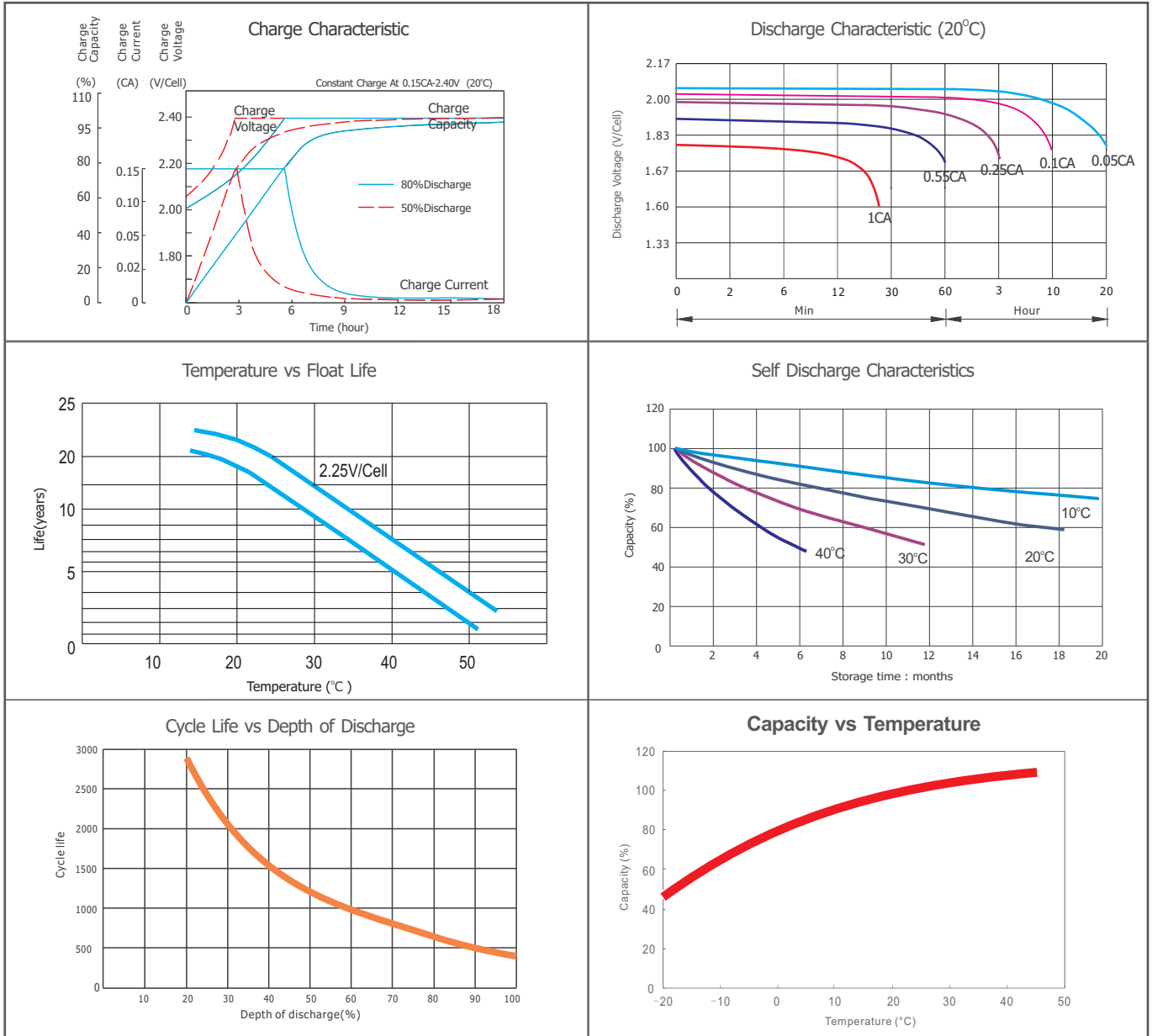


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	378	320	302	231	159	128	77.2	56.4	45.5	38.3	26.4	21.7
1.65V	333	294	284	213	152	122	75.2	55.2	44.5	37.6	26.0	21.4
1.70V	320	277	271	196	143	115	72.4	53.6	43.6	37.1	25.6	21.0
1.75V	305	263	257	182	136	111	70.0	52.0	42.4	36.0	25.2	20.6
1.80V	293	249	242	173	127	104	66.8	50.4	40.8	35.2	24.5	20.0
1.85V	260	221	215	157	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	635	544	517	400	279	225	138	102	83.3	70.9	50.0	41.2
1.65V	573	510	497	375	271	218	137	101	82.5	70.3	49.4	40.8
1.70V	563	489	481	351	258	209	133	100	81.8	70.1	49.1	40.4
1.75V	543	471	462	331	250	204	130	97.7	80.3	68.8	49.0	40.1
1.80V	531	454	443	320	235	193	126	96.1	78.3	68.1	48.0	39.4
1.85V	483	413	403	297	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

