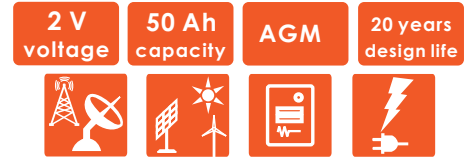


2V LSE SERIES VRLA BATTERY

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

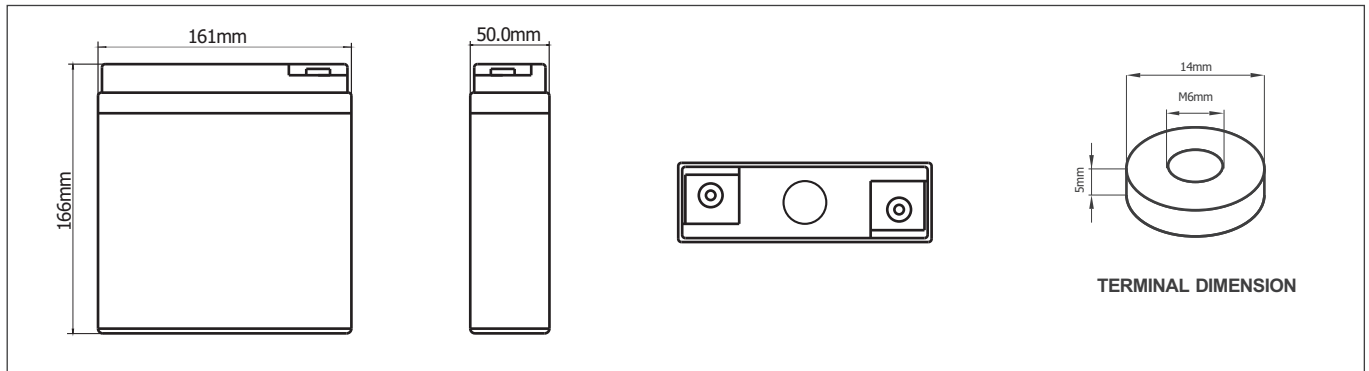
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	50 Ah @ C10 (to 1.80Vpc)
Dimensions	L161mm × W50mm × H166mm
Approx. Weight	3.0 kg (6.62 lbs)
Terminal Type	Female Copper Insert M6 (torque:6~7N.m)
Internal Resistance	Approx. 1.2mOhm (fully charged @ 20°C)
Max. Charge Current	12.5 A
Max. Discharge Current (5S)	500 A
Short Circuit Current	1000 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

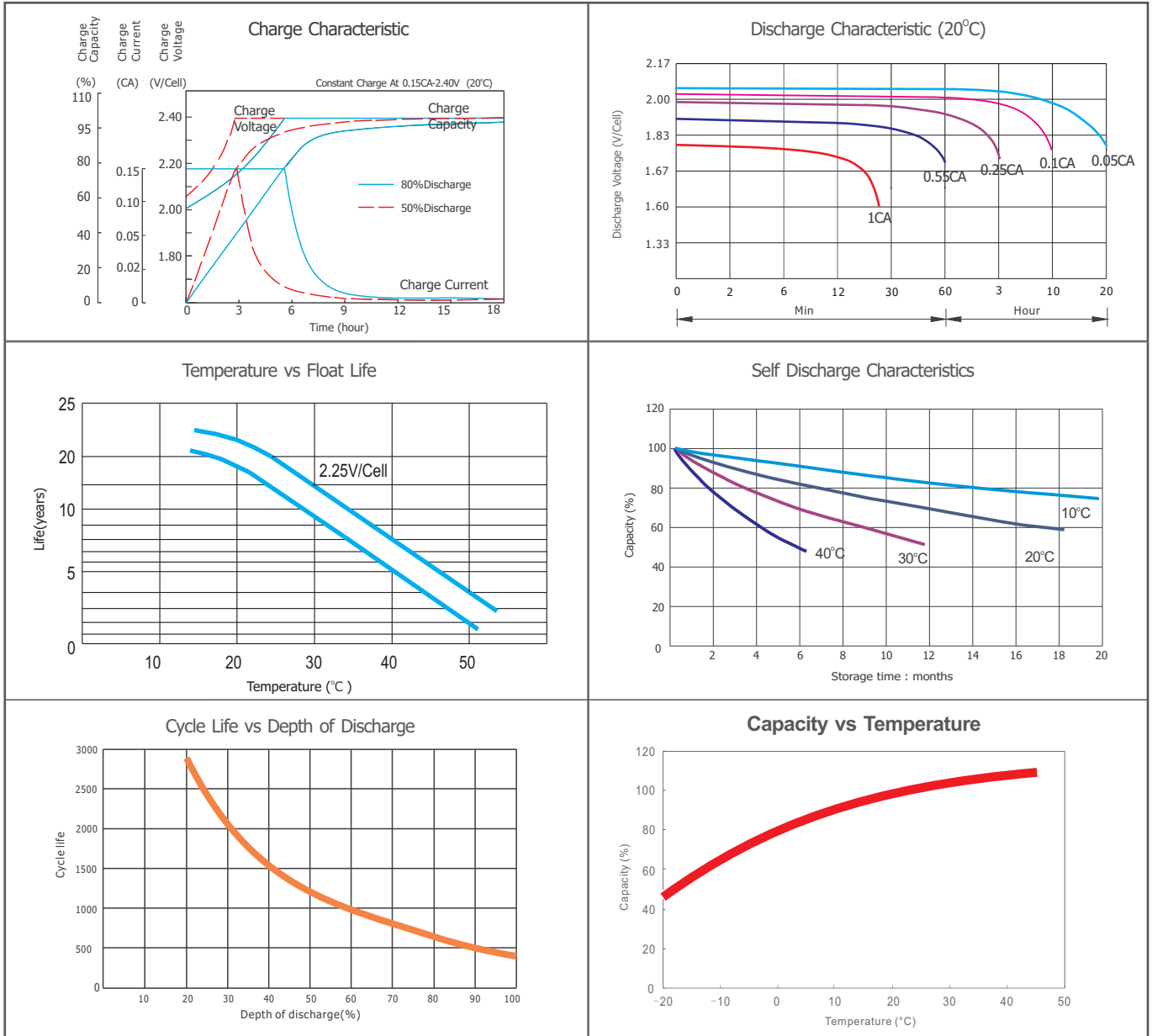


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	129	102	89.3	57.8	39.8	32.0	19.3	14.1	11.4	9.58	6.59	5.42
1.65V	114	93.5	84.0	53.3	38.1	30.5	18.8	13.8	11.1	9.40	6.50	5.34
1.70V	109	88.2	80.1	48.9	35.7	28.8	18.1	13.4	10.9	9.27	6.39	5.26
1.75V	104	83.7	75.9	45.6	34.1	27.7	17.5	13.0	10.6	9.01	6.31	5.14
1.80V	100	79.4	71.6	43.3	31.7	25.9	16.7	12.6	10.2	8.80	6.13	5.00
1.85V	88.5	70.3	63.4	39.2	28.7	23.4	15.1	11.9	9.75	8.40	5.94	4.85

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	216	173	153	99.9	69.7	56.3	34.6	25.5	20.8	17.7	12.5	10.3
1.65V	195	162	147	93.9	67.8	54.6	34.2	25.3	20.6	17.6	12.4	10.2
1.70V	192	156	142	87.7	64.6	52.3	33.3	24.9	20.4	17.5	12.3	10.1
1.75V	185	150	137	82.8	62.4	50.9	32.6	24.4	20.1	17.2	12.2	10.0
1.80V	181	144	131	79.9	58.8	48.3	31.5	24.0	19.6	17.0	12.0	9.85
1.85V	165	131	119	74.1	54.5	44.7	29.1	23.1	19.1	16.5	11.8	9.68

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

