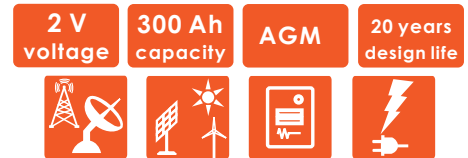


2V LSE SERIES VRLA BATTERY

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

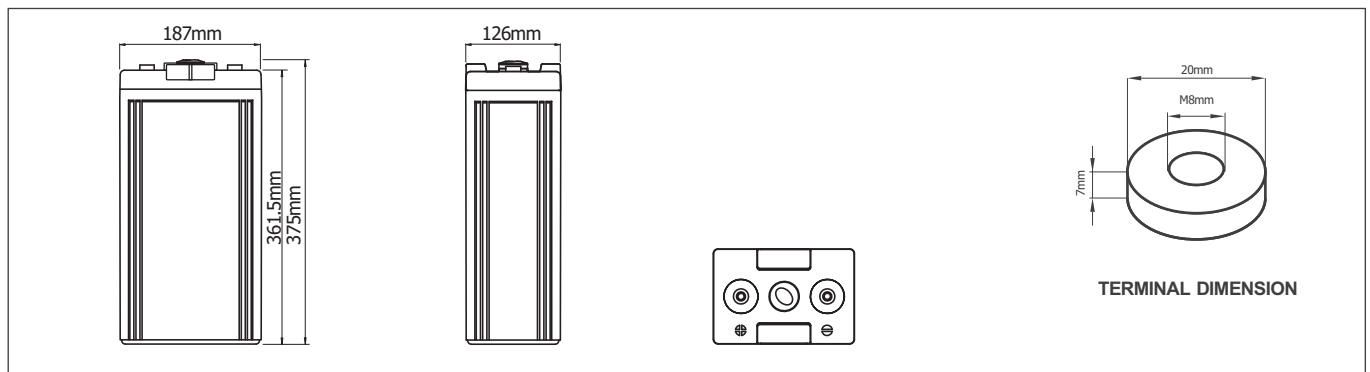
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (20°C)	300 Ah @ C10 (to 1.80Vpc)
Dimensions	L126mm × W187mm × H375mm
Approx. Weight	19.0 kg (41.9 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.47mOhm (fully charged @ 20°C)
Max. Charge Current	75 A
Max. Discharge Current (5S)	1500 A
Short Circuit Current	4200 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

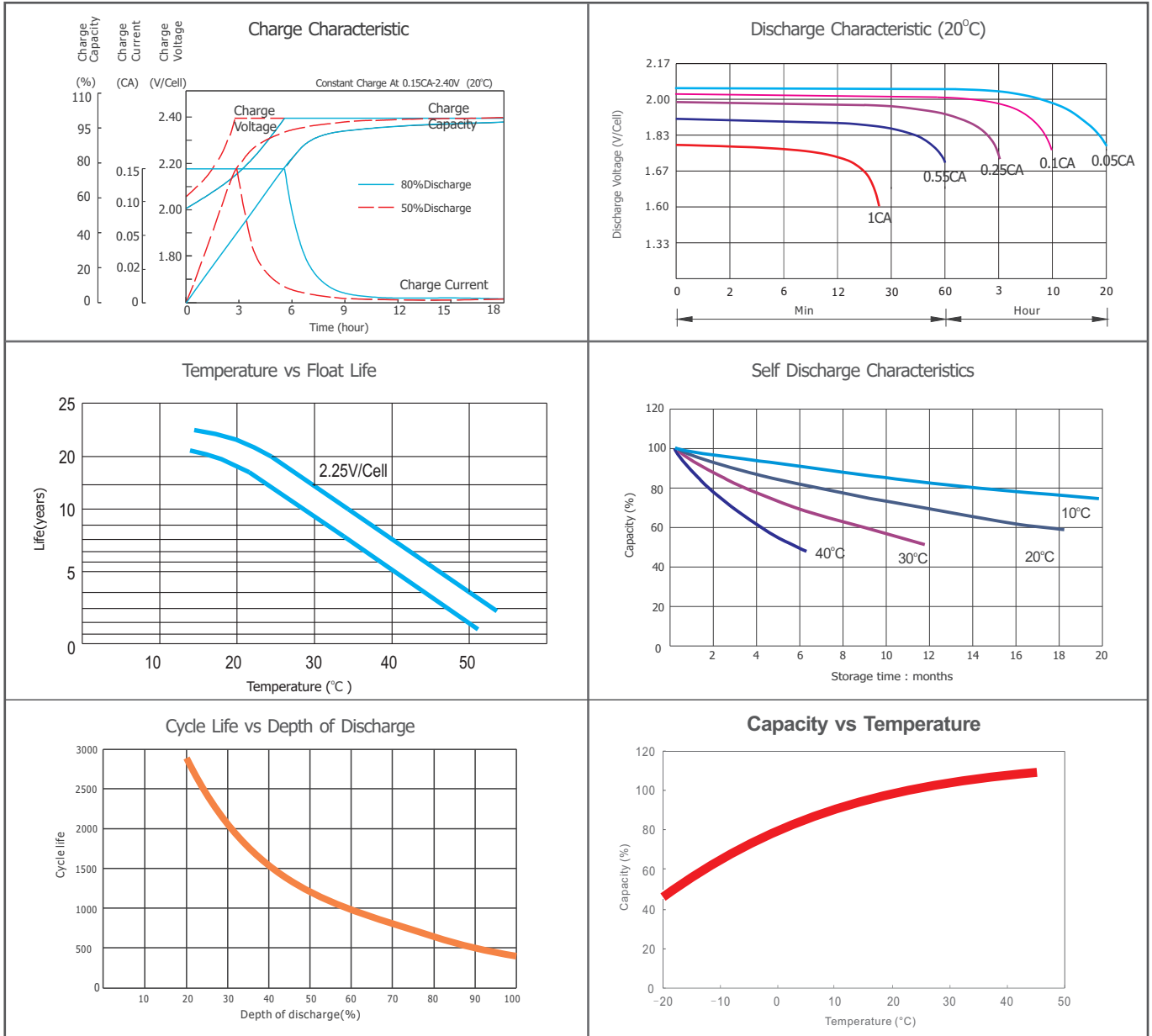


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	606	502	455	315	239	192	116	84.6	68.3	57.5	39.5	32.5
1.65V	536	461	427	291	229	183	113	82.8	66.8	56.4	39.0	32.0
1.70V	502	435	407	267	214	173	109	80.4	65.4	55.6	38.3	31.6
1.75V	455	412	385	248	205	166	105	78.0	63.6	54.1	37.9	30.8
1.80V	400	350	330	236	190	155	100	75.6	61.2	52.8	36.8	30.0
1.85V	354	313	293	214	172	140	90.6	71.4	58.5	50.4	35.6	29.1

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	995	853	776	545	418	338	207	153	125	106	75.0	61.8
1.65V	899	799	745	512	407	328	205	152	124	105	74.1	61.2
1.70V	883	768	722	478	388	314	200	149	123	105	73.6	60.6
1.75V	814	706	694	452	374	306	196	146	121	103	73.4	60.1
1.80V	724	637	604	436	353	290	189	144	118	102	72.0	59.1
1.85V	658	586	549	404	327	268	174	139	114	99.1	70.8	58.1

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

