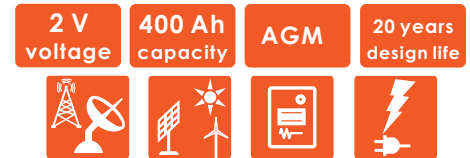


2V LSE SERIES VRLA BATTERY

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)	400 Ah @ C10 (to 1.80Vpc)
Dimensions	L166mm × W184.5mm × H372mm
Approx. Weight	25.0 kg (55.1 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.35mOhm (fully charged @ 20°C)
Max. Charge Current	100 A
Max. Discharge Current (5S)	2000 A
Short Circuit Current	5700 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)



ISO9001



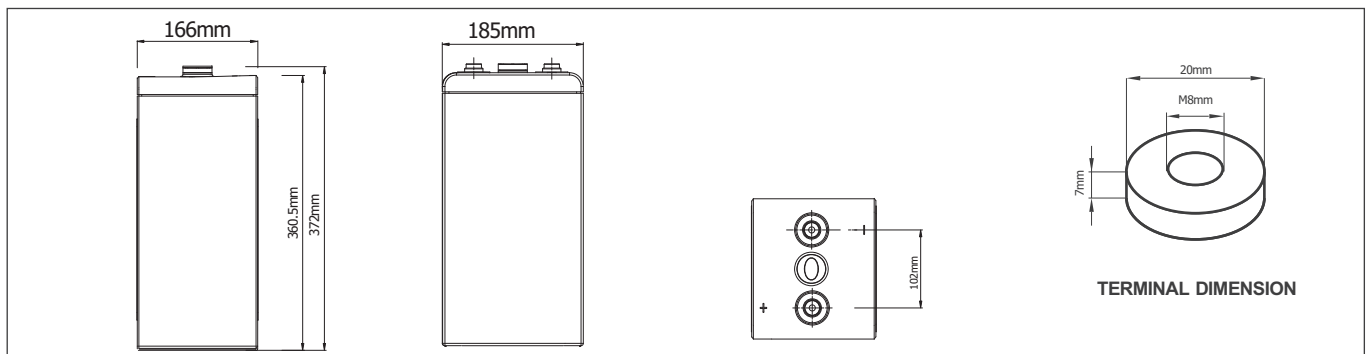
ISO14001



Complied standards

- IEC 60896-21/22
- IEC61427
- YD/T1360
- Eurobat guide, long life
- BS6290 part 4
- UL1989

DIMENSIONS

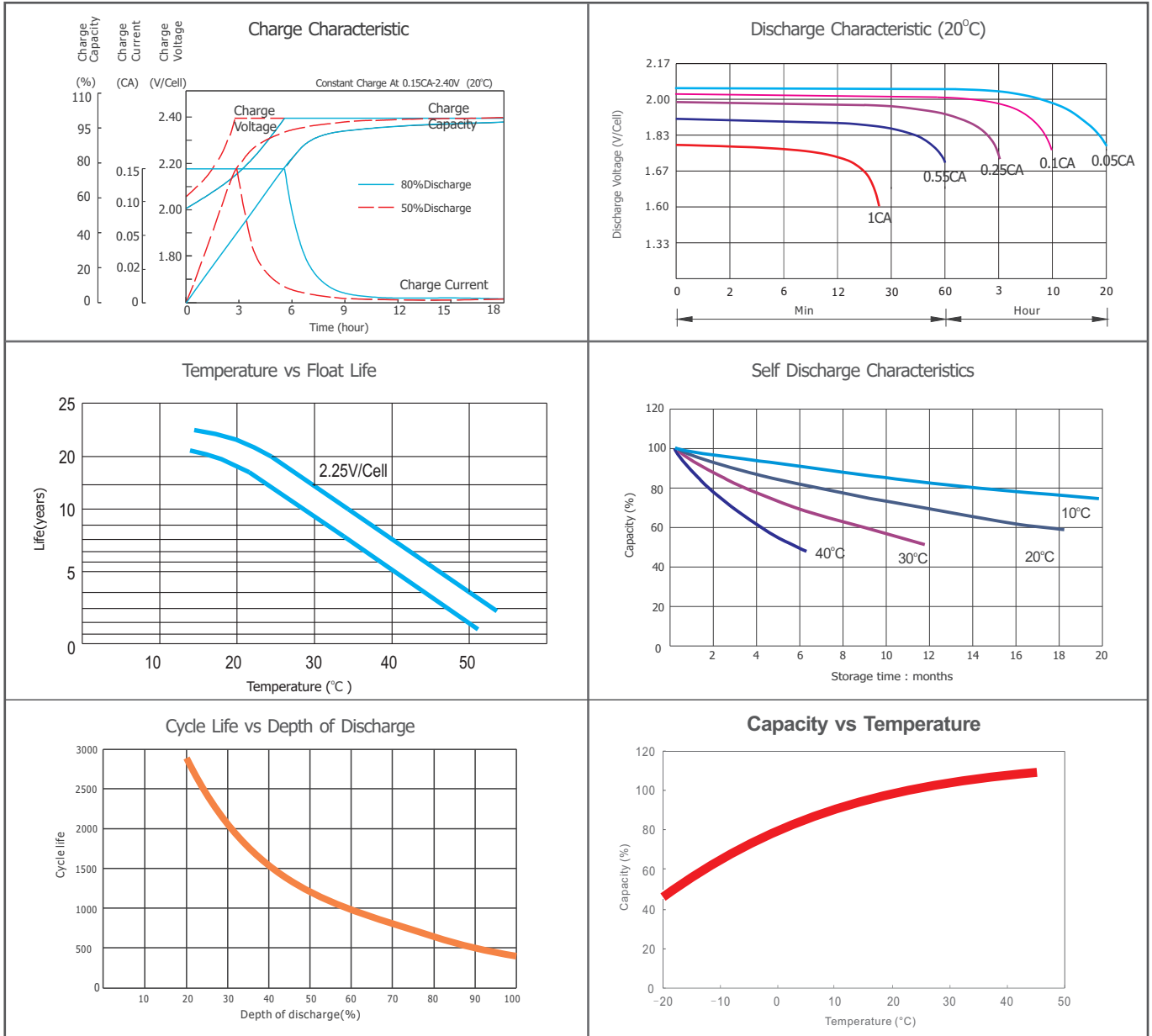


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	687	582	549	420	318	256	154	113	91.0	76.6	52.7	43.4
1.65V	606	534	517	388	305	244	150	110	89.0	75.2	52.0	42.7
1.70V	582	504	493	356	286	230	145	107	87.2	74.2	51.1	42.1
1.75V	554	478	467	331	273	222	140	104	84.8	72.1	50.5	41.1
1.80V	533	454	440	315	254	207	134	101	81.6	70.4	49.0	40.0
1.85V	472	402	390	285	230	187	121	95.2	78.0	67.2	47.5	38.8

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	1154	989	941	727	557	451	277	204	167	142	100	82.4
1.65V	1042	927	903	683	543	437	274	203	165	141	98.8	81.6
1.70V	1024	890	875	638	517	418	266	199	164	140	98.2	80.8
1.75V	987	856	841	602	499	408	261	195	161	138	97.9	80.2
1.80V	965	825	805	581	470	386	252	192	157	136	96.0	78.8
1.85V	878	750	732	539	436	357	232	185	152	132	94.4	77.4

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

