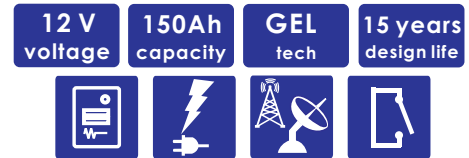


FAG SERIES VRLA BATTERY

By combining the newly developed nano gel electrolyte with up-to-date AGM structures, BSB created the innovation FAG range of batteries. The range features 15 years design life and front access connections for fast, easy installation and maintenance. This range battery is highly suited to telecom outdoor applications, renewable energy systems and other harsh environment applications.



TECHNICAL SPECIFICATIONS

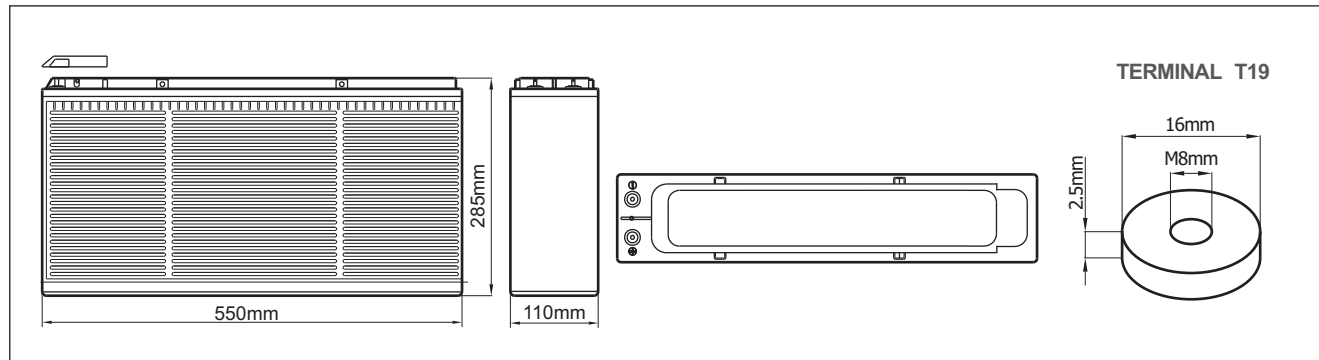
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	15 Years
Nominal Capacity (20°C)	150 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L550mm x W110mm x H285mm
Approx. Weight	44.5 kg (98.1 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.005 Ohm (fully charged @ 20°C)
Max. Charge Current	37.5A
Max. Discharge Current (5S)	900 A
Short Circuit Current	2400 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)	13.5-13.7V (-3mV/ cell/ °C)
Equalize and cycle Use Charge Voltage (20~25°C)	14.1-14.4V (-5mV/ cell / °C)
Container Material	ABS (UL94-V0 optional)



Complied standards

- IEC 60896-21/22
- UL1989
- JIS C8704
- GB/T19639

BATTERY DIMENSIONS

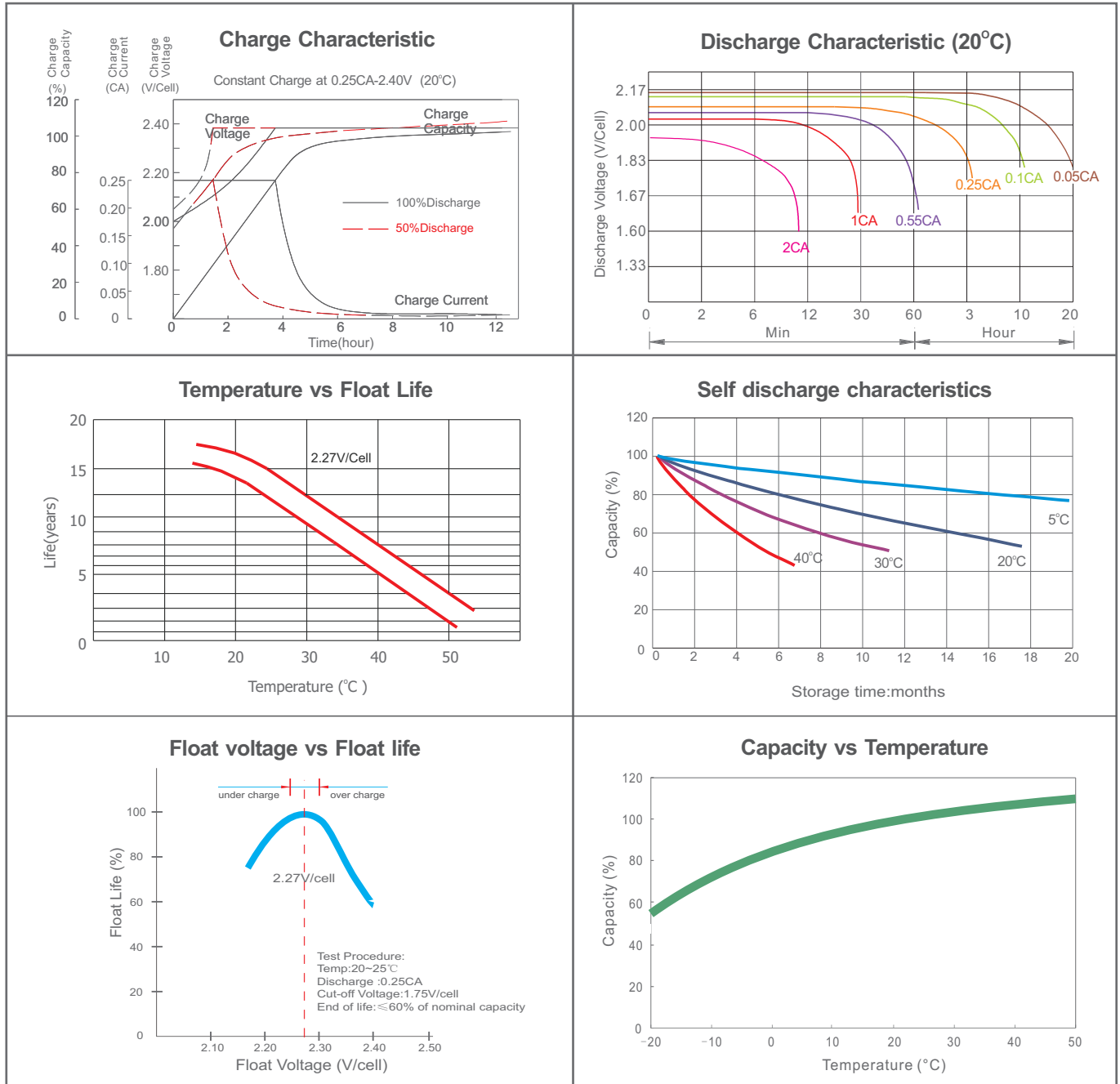


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)												
F.V/Time	5 m in	10 m in	15 m in	30 m in	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
1.60V	405	284	244	152	101	56.9	41.2	33.1	27.2	19.2	15.9	8.25
1.67V	361	262	230	147	98.7	56.0	40.7	32.4	26.9	18.9	15.7	8.18
1.70V	323	238	217	141	96.4	55.2	40.2	32.1	26.7	18.8	15.5	8.06
1.75V	280	221	202	136	94.5	54.3	39.6	31.7	26.3	18.4	15.3	7.99
1.80V	248	201	188	130	92.0	52.7	38.7	31.0	25.9	18.0	15.0	7.95
1.85V	212	181	171	123	87.4	50.6	37.0	30.0	25.1	17.3	14.5	7.50

Constant Power Discharge Characteristics: W/cell (20°C)												
F.V/Time	5 m in	10 m in	15 m in	30 m in	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
1.60V	713	510	445	280	189	107	77.8	62.7	51.8	36.8	30.7	16.4
1.67V	645	475	422	272	185	106	77.3	61.8	50.6	36.5	30.5	16.3
1.70V	582	436	402	264	182	105	77.0	61.6	51.5	36.4	30.4	16.1
1.75V	513	410	378	257	180	104	76.4	61.5	51.1	36.1	30.2	16.0
1.80V	459	377	356	248	173	102	75.4	60.6	50.9	35.6	29.8	15.9
1.85V	400	344	327	237	170	99.0	72.7	59.2	49.6	34.6	28.9	15.1

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.70V_{pc}$	$\geq 1.60V_{pc}$

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

