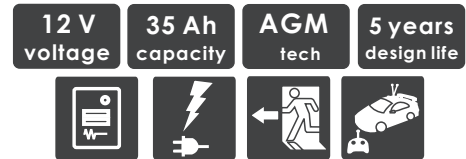


## GENERAL SERIES VRLA BATTERY

GB series offers 5 years full maintenance free design life. With compact design and good reliability, this series is highly suited for security and alarm systems, UPS systems, emergency light systems and other small backup applications.



### TECHNICAL SPECIFICATIONS

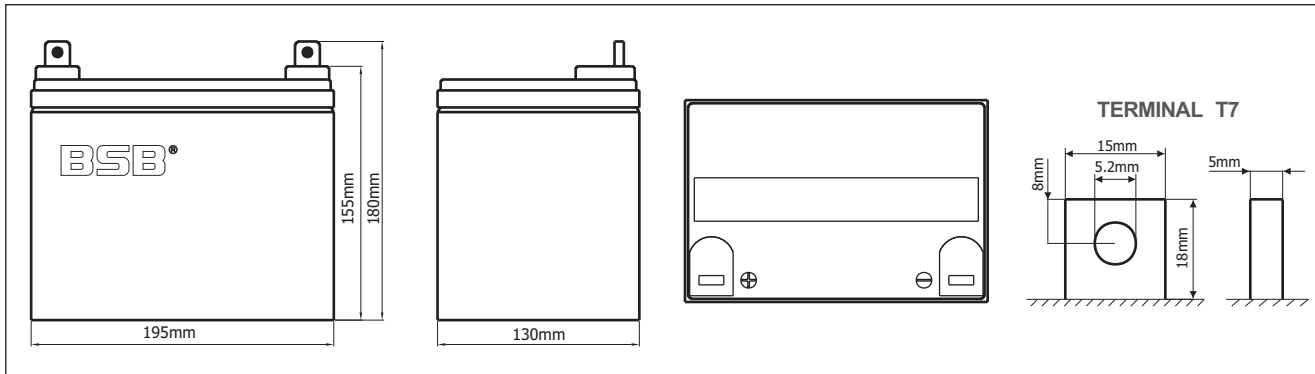
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	5 Years
Nominal Capacity (25°C)	35 Ah @ 20HR-rate (to 1.75Vpc)
Dimension (mm)	L195mm x W130mm x H180mm
Approx. Weight	11.0 kg (24.3 lbs)
Terminal Type	Terminal T7
Internal Resistance	Approx. 0.009 Ohm (fully charged @ 25°C)
Max. Charge Current	10.5 A
Max. Discharge Current (5S)	400 A
Short Circuit Current	1300 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -15~55°C Charge: -15~45°C Storage: -15~45°C
Float Charge Voltage (20~25°C)	13.6-13.8V (-3mV/ cell/ °C)
Equalize and cycle Use Charge Voltage (20~25°C)	14.4-14.8V (-5mV/ cell / °C)
Container Material	ABS (UL94-V0 optional)



#### Complied standards

- IEC 61056
- UL1989
- JIS C8702
- GB/T19639

### BATTERY DIMENSIONS

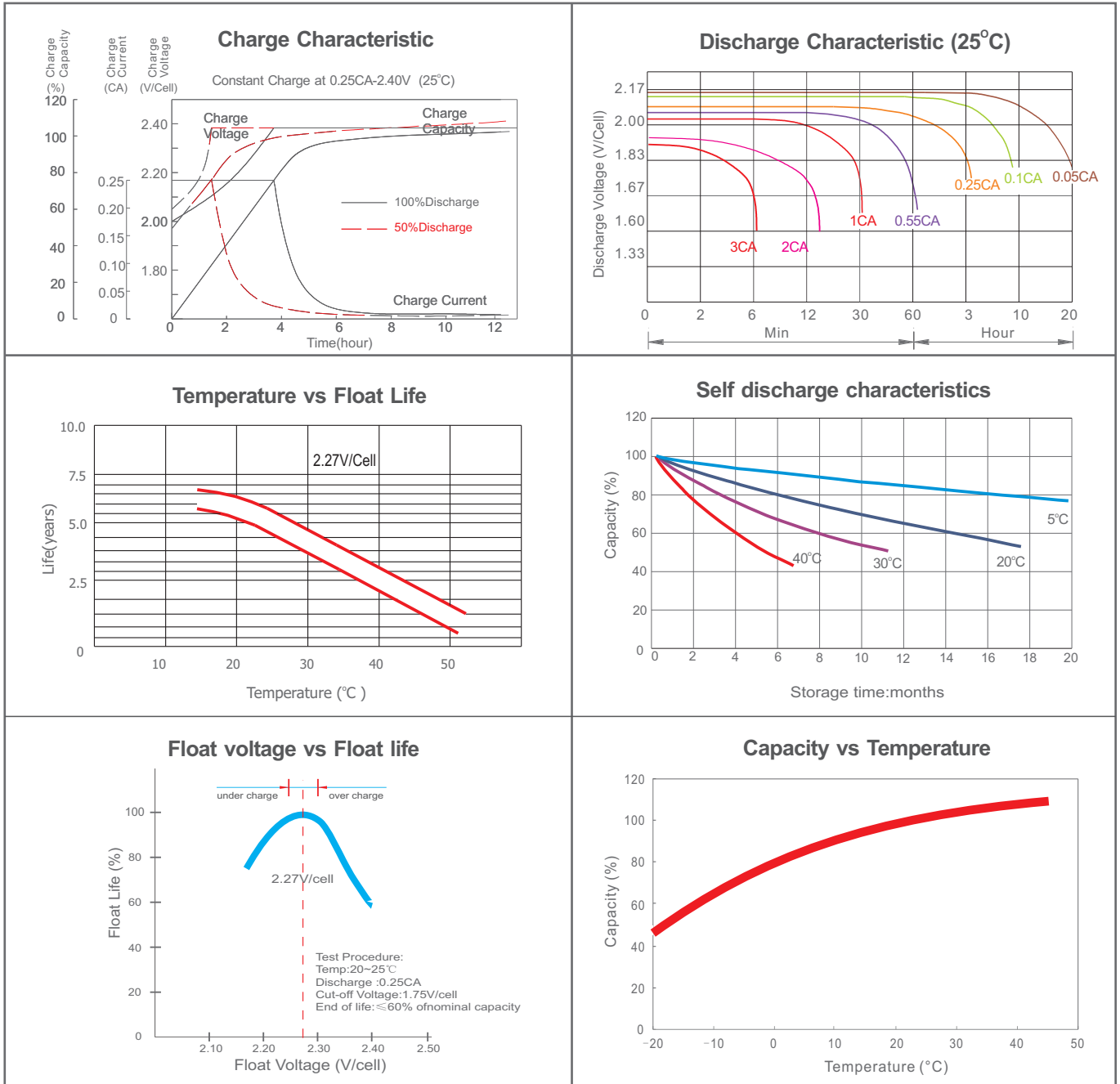


### BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	140	87.0	66.4	39.5	23.0	13.7	9.74	7.62	6.29	4.24	3.47	1.86
1.67V	130	84.0	64.1	38.6	22.8	13.5	9.64	7.51	6.22	4.19	3.43	1.82
1.70V	121	80.4	62.5	37.9	22.4	13.3	9.56	7.42	6.14	4.14	3.39	1.79
1.75V	110	76.8	60.9	37.0	22.0	13.2	9.46	7.34	6.06	4.10	3.35	1.75
1.80V	98.8	72.6	59.5	36.4	21.6	13.0	9.32	7.25	5.99	4.06	3.31	1.71
1.85V	87.4	68.4	58.0	35.6	21.2	12.8	9.20	7.17	5.93	4.00	3.27	1.67

Constant Power Discharge Characteristics: W/cell (25°C)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	247	156	121	73.0	42.9	25.6	18.4	14.5	12.0	8.15	6.70	3.60
1.67V	232	153	118	71.7	42.7	25.5	18.3	14.4	11.9	8.11	6.66	3.56
1.70V	218	148	116	71.0	42.3	25.4	18.2	14.3	11.8	8.07	6.63	3.53
1.75V	202	143	114	70.0	41.9	25.3	18.1	14.2	11.7	8.06	6.60	3.47
1.80V	183	136	112	69.3	41.4	25.2	18.0	14.1	11.6	8.03	6.57	3.42
1.85V	165	130	111	68.6	41.2	25.0	17.9	14.0	11.5	7.98	6.53	3.35

## 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	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.7V_{pc}$	$\geq 1.6V_{pc}$

## 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

