

RANGE SUMMARY

By combining proprietary high rate plate design with low internal resistance AGM separators, BSB created the innovative High Rate range of batteries. This range offers extremely high power output at 15 minutes backup time with 12 years design life and is highly suited to high rate UPS and power switchgear applications.

Application

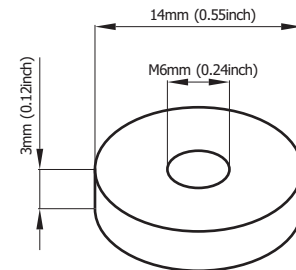
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- Toys
- UPS

General Features

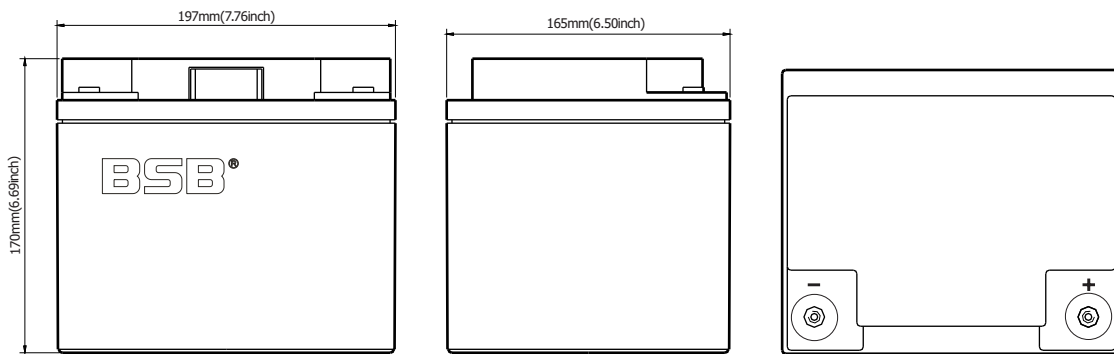
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94 V0, optional).
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.

Construction

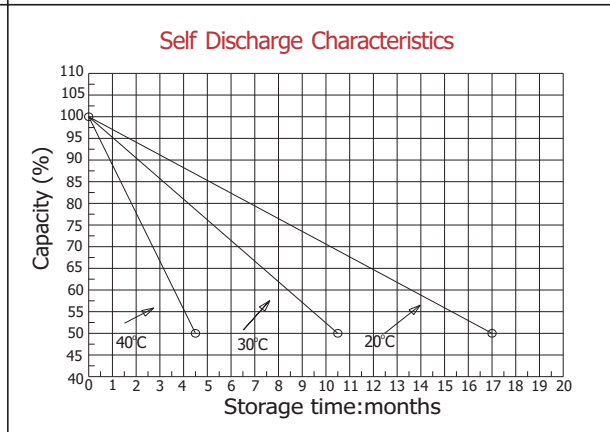
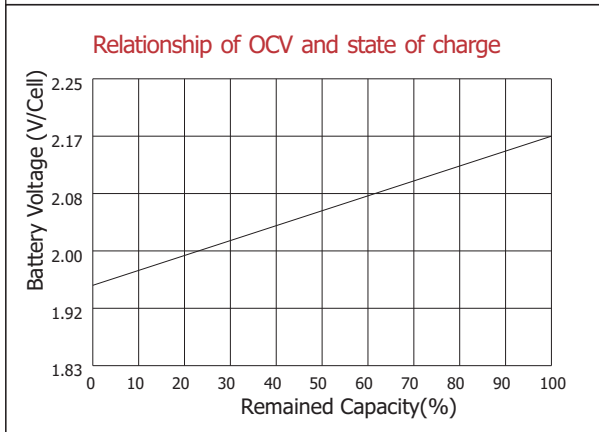
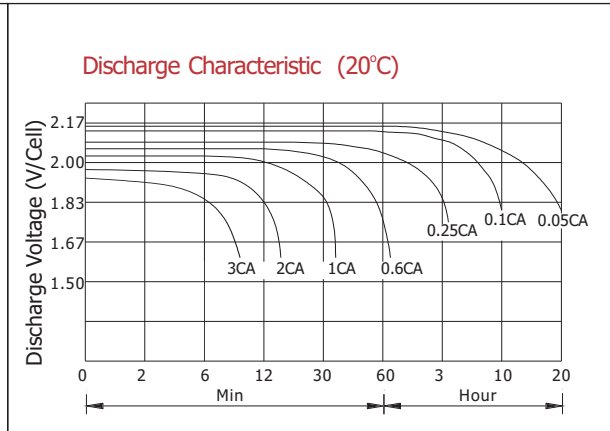
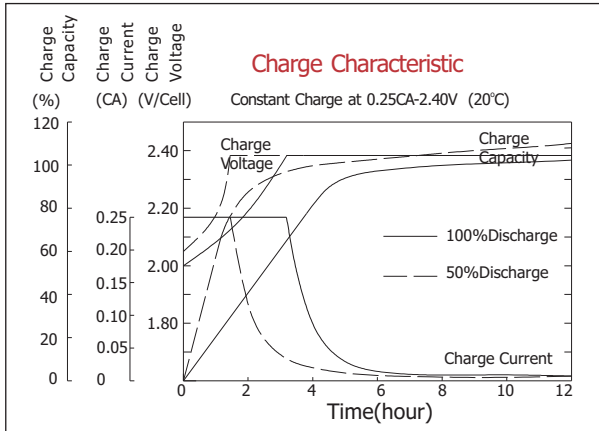
- Positive Lead dioxide
- Negative Lead
- Container ABS
- Cover ABS
- Sealant Epoxy Resin
- Safety valve EPDR
- Terminal Copper
- Separator AGM
- Electrolyte Sulfuric acid



Terminal Dimensions



Battery Model	HR12-180W			
Designed Floating Life	12 Years			
Capacity(20°C,at 1.67Vpc)	10min	15min	30min	1h
	233Wpc	180Wpc	107Wpc	61.2Wpc
Dimensions	Length	Width	Height	Total Height
	197mm(7.76inch)	165mm(6.50inch)	170mm(6.69inch)	170mm(6.69inch)
Approx. Weight	14.5Kg (32.0 lbs)			
Internal Resistance	Full charged at 20°C: 0.009 Ohm			
Self Discharge	3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(10HR)	40°C	20°C	0°C	-15°C
	109%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/ °C), max. Current: 12A		13.6-13.8V(-18mV/ °C)	



Constant current discharge ratings-amperes at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	213	132	99.8	60.9	34.1	15.0	9.15	4.98	2.77
1.67V	200	126	96.1	58.2	33.7	14.4	8.96	4.94	2.68
1.70V	183	121	93.8	52.9	32.6	13.4	8.77	4.92	2.64
1.75V	179	117	90.8	50.3	31.1	13.0	8.58	4.90	2.57
1.80V	160	112	82.4	46.6	29.1	12.5	8.06	4.80	2.50
1.85V	142	107	74.1	42.9	27.1	12.0	7.55	4.73	2.43

Constant power discharge ratings-watts at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	373	239	182	110	61.6	26.6	15.5	10.2	5.38
1.67V	360	233	180	107	61.2	25.7	15.4	10.2	5.18
1.70V	339	231	178	101	60.0	24.6	15.2	10.1	5.12
1.75V	341	230	177	97.6	59.0	24.0	15.1	9.98	4.99
1.80V	312	227	164	93.0	55.6	23.3	14.6	9.86	4.86
1.85V	283	215	149	87.1	52.3	22.6	14.1	9.73	4.67

