

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

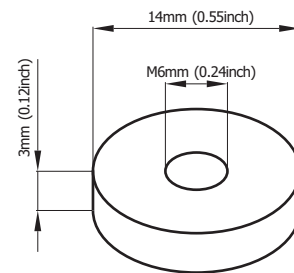
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- Toys
- UPS
- Emergency Power System

General Features

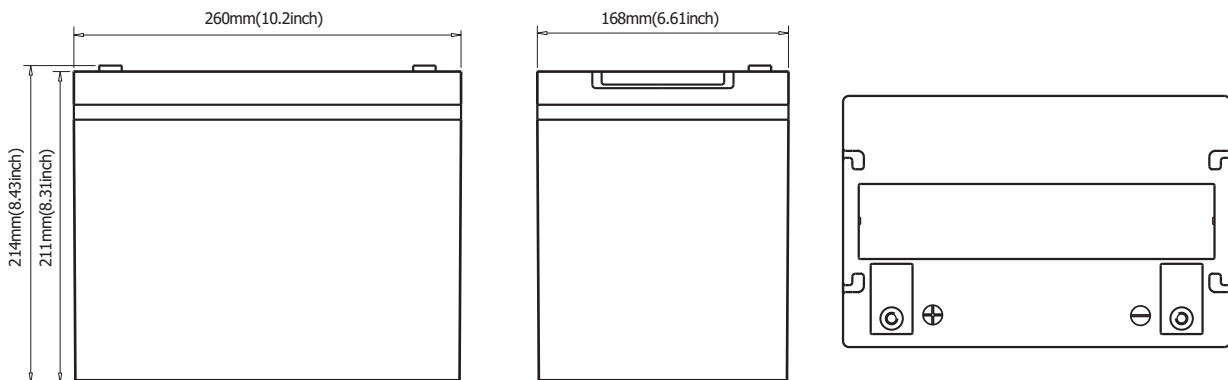
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94 V0, optional).
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
-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

Construction

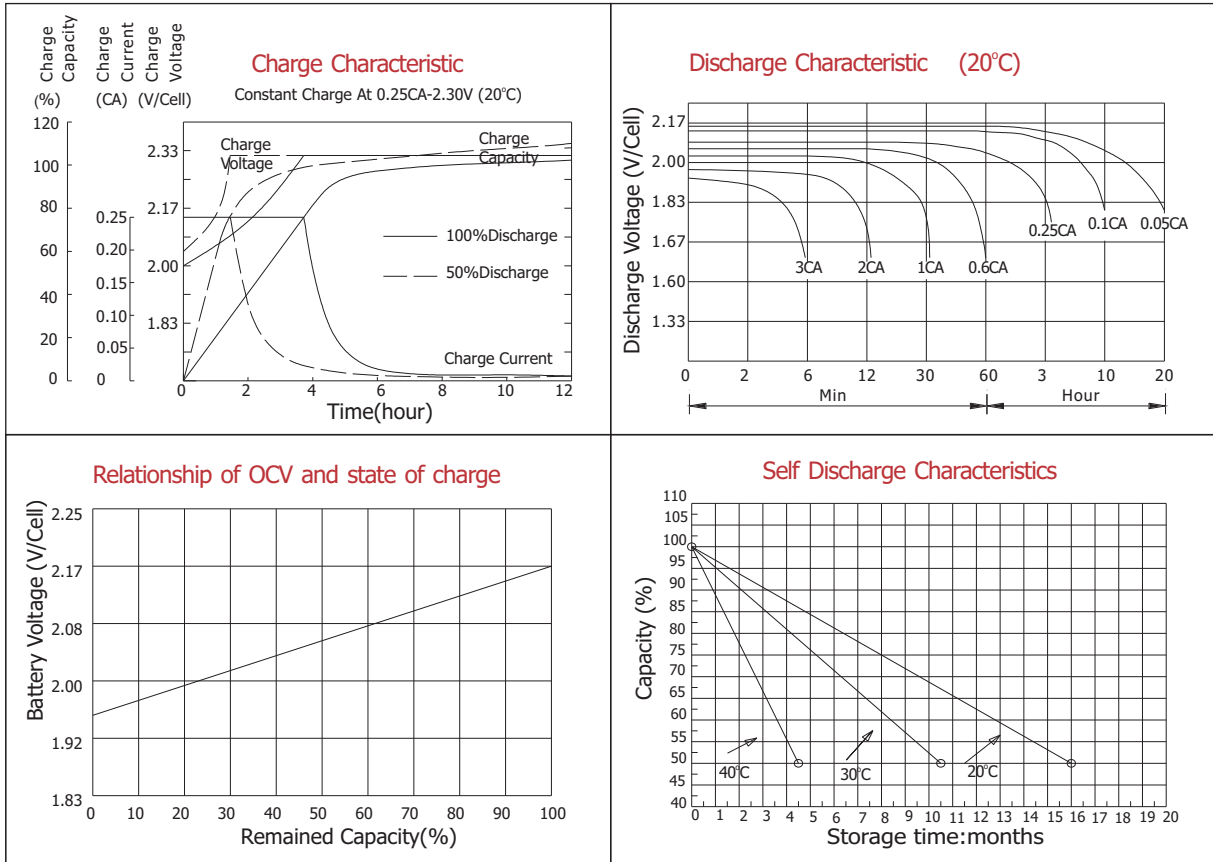
- Positive Lead dioxide
- Negative Lead
- Container ABS
- Cover ABS
- Sealant Epoxy Resin
- Safety valve EPDR
- Terminal Copper
- Separator AGM
- Electrolyte Sulfuric acid



Terminal Dimensions



Battery Model	HR12-270 (270W to 1.67V, 15min)			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(4.5A,1.80V)	10HR(8.5A,1.80V)	5HR(15.2A,1.75V)	1HR(60.4A,1.60V)
	90AH	85AH	76AH	60AH
Dimensions	Length	Width	Height	Total Height
	260mm(10.2inch)	168mm(6.62inch)	211mm(8.31inch)	214mm(8.43inch)
Approx. Weight	25Kg (55.1 lbs)			
Internal Resistance	Full charged at 20°C: 0.006 Ohm			
Self Discharge	3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(20HR)	40°C	20°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/ °C), max. Current: 21A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	319	199	150	91.3	60.4	26.5	16.2	8.83	5.01
1.67V	299	188	144	87.4	59.6	25.5	15.9	8.74	4.83
1.70V	274	182	141	79.4	57.8	23.8	15.5	8.71	4.76
1.75V	269	176	136	75.4	55.1	23.0	15.2	8.67	4.63
1.80V	241	168	124	69.9	51.6	22.1	14.3	8.50	4.50
1.85V	212	160	111	64.3	48.1	21.3	13.4	8.38	4.38

Constant power discharge ratings-watts at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	560	358	273	164	109	47.0	27.4	18.1	9.52
1.67V	540	349	270	161	108.3	45.6	27.3	18.0	9.18
1.70V	509	346	268	151	106.3	43.5	26.9	17.9	9.07
1.75V	512	345	265	146	104.5	42.5	26.7	17.6	8.84
1.80V	468	340	246	140	98.5	41.3	25.9	16.6	8.61
1.85V	425	322	223	131	92.6	40.0	25.0	16.4	8.33

