

BSB®

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Valve Regulated Lead Acid Battery

AGM HIGH RATE BATTERY

HR Series

RANGE SUMMARY

The HR (High Rate) series is especially designed for high rate discharge applications. By using strong grids and specially designed active material, the HR series offers stable performance during high current discharge. It offers extremely high power output at 15 minutes backup time with 5~12 years design life.

It is highly suited for high rate UPS/EPS systems and power switchgear applications.

FEATURES AND BENEFITS

- 30% increased Power output at 15 minutes backup
- 5~12 years design life in floating condition
- Optimized plate achieve low internal resistance
- Wide operating temperature range from -20°C to 55°C
- Low self-discharge rate
- Excellent deep discharge recovery capability

CONSTRUCTION

- Positive plate : Special designed grid with Pb-Ca-Sn alloy
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : Low internal resistance AGM separator
- Electrolyte : Dilute high purity sulphuric acid
- Battery container and cover : ABS
- Pillar seal : Double layers epoxy resin seal
- Relief valve : Complete with integrated flame arrestor

CHARGING VOLTAGE AND SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.27Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.27 to 2.30 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.40 to 2.47 Vpc @ 20~25°C
- Max. charge current allowable : 0.25C10A



Capacity Range: 21-500W/Cell

General Specifications

Code No.	Voltage (V)	Capacity (AH) 15min(w/cell)	Length		Width		Height		Total Height		Weight		Terminal Type
			mm	in	mm	in	mm	in	mm	in	Kg	Lb	
HR6-36W	6	36W	150	5.90	34	1.34	94	3.70	100	3.94	1.4	3.08	F2
HR12L-21W	12	21W	140	5.51	48	1.89	101.5	4.00	103.5	4.07	1.7	3.75	F1,F2
HR12-24W	12	24W	151	5.94	53	2.09	93	3.66	99	3.9	1.9	4.19	F1
HR12L-24W	12	24W	140	5.51	48	1.89	101.5	4.00	103.5	4.07	1.83	4.04	F1,F2
HR12-33W	12	33W	151	5.94	65	2.56	93.5	3.68	99.5	3.92	2.6	5.73	F2
HR12-36W	12	36W	151	5.94	65	2.56	95	3.74	101	3.97	2.7	5.95	F2
HR12-55W	12	55W	151	5.94	98	3.86	95	3.74	101	3.97	3.95	8.70	F2
HR12-75W	12	75W	181	7.13	76	2.99	167	6.57	167	6.57	5.8	12.8	T5
HR12-100W	12	100W	175	6.89	166	6.54	125	4.92	125	4.92	8.9	19.6	T5
HR12-140W	12	140W	195	7.68	130	5.12	159	6.26	183	7.2	11.2	24.5	T7
HR12-200W	12	200W	230	9.04	138	5.44	209	8.23	213	8.39	17	37.5	T17
HR12-270W	12	270W	258	10.2	168	6.62	208	8.19	212	8.35	25.0	55.1	T17
HR12-310W	12	310W	305	12.0	168	6.62	208	8.19	212	8.35	27.3	60.2	T17
HR12-370W	12	370W	330	13.0	172	6.77	215	8.46	221	8.70	30	66.2	T17
HR12-390W	12	390W	330	13.0	172	6.77	215	8.46	221	8.70	30.5	67.3	T17
HR12-500W	12	500W	341	13.4	172	6.77	284	11.2	288	11.3	45.3	99.9	T19

Applications

- UPS system
- Power switch gears
- Engine starting
- Data centers

Complied Standards

- IEC 61056/60896
- Eurobat guide, long life
- BS6290 part 4
- JIS8702/8704
- UL1989
- IATA and IMDG

Available Series

- OPzV Series
- OPzS Series
- FAG Series
- FA Series
- TGF Series
- TG Series
- Solar Series
- LSG Series
- LSE Series
- HR Series
- DC Series
- DB Series
- GB Series

For more information and for the complete list of models, please visit our website: www.bsbpower.com or send an email to enquiry@bsbpower.com
Products specifications described herein are subject to change without prior notification.

Notes

مهندسین مشاور امواج تیتیس (سهامی خاص)

Headquarters and subsidiaries

- BSB Power Company Limited (HQ)
- BSB Power Europe (France)
- BSB Power Malaysia Sdn. Bhd
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