

High Discharge Rate AGM Battery

Brief Introduction

CSBattery High discharge rate AGM battery: it is kind of special sealed free maintenance lead acid battery, also called high rate discharge battery, it is ideal for space limited applications which require more power than what can be delivered by a standard lead acid battery. High rate discharge AGM batteries are the best choice for the applications requiring small capacity but large discharge current such as high effect UPS system, starter, electric power tools, etc.



Complied Standards

IEC60896-21/22	BS6290part4
JISC8704	GB/T19638
IEC61427	CE/ISO

Applications

Hybrid Power systems.

BTS Stations

UPS System, EPS System

Telecom System

General features

High Rate Discharge 3C

Sealed/Maintenance-Free

Valve Regulated Design;
DOD 100% 300 times Cycles

Design Flexibility; Deep Discharge Recovery

Wide Operating Temperature Range -40-60 degree

Technical Specifications

Nominal Voltage		12V/6V
Design Floating Life @25°C		8 Years
Nominal POWER discharge @1.67V		15 Minutes
Capacity @25°C	10hour rate (1.8V)	90%C (Ah)
	5 hour rate (1.8V)	80%C(Ah)
	1 hour rate (1.75V)	58%C(Ah)
Internal Resistance	Full Charged Battery@25°C	≤0.02*C(mΩ)
Ambient Temperature	Discharge	-25°C~60°C
	Charge	-25°C~60°C
	Storage	-25°C~45°C
Max.Discharge Current@25°C		6C (5s)
Capacity affected by Temperature (10 hour)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge@25°Cper Month		3%
Charge (Constant Voltage) @25°C	Standby Use	Initial Charging Current Less than C*0.20A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than C*0.20A Voltage 14.4-14.9V

Battery Construction

Component	Positive plate	Negative plate	Container &Cover	Safety valve
Features	Thick high Sn low Ca grid with Special paste	Balanced Pb-Ca grid for improved recombination efficiency	Fire resistance ABS (UL94-V0optional)	Flame Si-Rubber and aging resistance
Component	Terminal	Separator	Electrolyte	Pillar seal
Features	Female Copper Insert T/AP/DP	Advanced AGM separator for high pressure cell design	Dilute High Purity Sulfuric acid	Two layers epoxy resin seal

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HR6/12V Battery Items specifications

Model	Nominal Voltage (V)	Rated Capacity (Ah) 10HR	Dimension (mm)				Net Weight kgs	Gross Weight kgs	Terminal
			Length	Width	Height	Total Height			
HR6-720W	6	190	260	180	247	252	30.8	30.9	M8
HR12-35W	12	8	151	65	95	101	2.55	2.6	F2
HR12-55W	12	12	151	99	96	102	3.8	4	F2
HR12-85W	12	20	181	77	167	167	6.5	6.6	M6
HR12-115W	12	28	165	126	174	174	8.7	8.8	M6
HR12-145W	12	34	196	130	155	167	11	11.1	M6
HR12-170W	12	42	198	166	174	174	13.8	14	M6
HR12-230W	12	60	229	138	208	212	19.2	19.4	M6
HR12-300W	12	80	260	169	211	215	25	25.2	M6
HR12-370W	12	95	307	169	211	216	31	31.5	M6
HR12-420W	12	110	331	176	214	220	33.3	33.8	M8
HR12-470W	12	135	407	174	210	233	39	39.5	M8
HR12-520W	12	150	484	171	241	241	47	47.5	M8
HR12-540W	12	155	328	182	267	272	46	46.5	M8
HR12-680W	12	170	532	206	216	222	58.5	59	M8
HR12-770W	12	220	522	240	219	225	67	67.5	M8
HR12-800W	12	230	520	269	203	209	70	70.5	M8
HR12-900W	12	260	520	269	220	226	79	79.5	M8



Performance Characteristics

