

HZS12-6HR Valve Regulated Lead Acid battery.  
5 year design life for stand by power applications.  
12 Volts 6 Ah

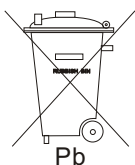
### Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Fully tank formed plates
- Battery Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - VO on request
- Low self discharge
- FAA and IATA approved as non-hazardous



### Specifications

Nominal Voltage	12 Volts
Nominal Capacity	6Ah (C20 @ 20 °C)
Design Life	5 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cycling 2.35 @25 °C Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	Sulphuric acid Battery grade purity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Terminal	Faston type. Epoxy sealed by extended mechanical paths



Haze Battery Company keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.

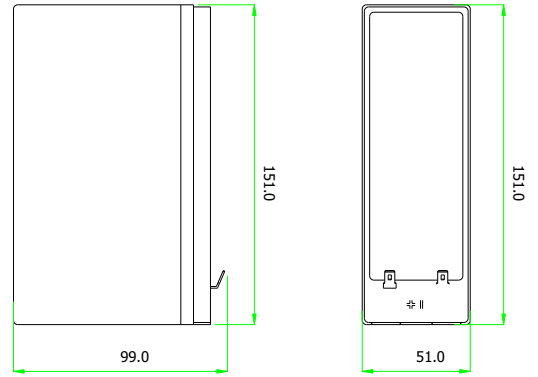
Website: [www.hazebattery.com](http://www.hazebattery.com)  
E mail : [sales@hazebattery.com](mailto:sales@hazebattery.com)

Sealed Lead Acid 4 Volt Bloc AGM Range  
PRODUCT SHEET HZS12-6

**12V  
AGM**

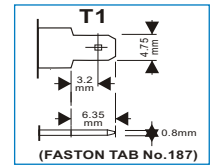
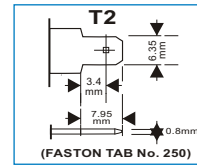
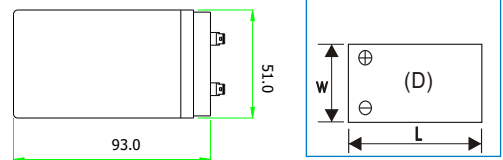
## Specifications

Nominal Voltage		12V	
Nominal Capacity		6 Ah	
Dimensions	Total Height	93 mm	3.66 inches
	(Inc. terminals)	99 mm	3.90 inches
	Length	151 mm	5.94 inches
	Width	51.25 mm	2.02 inches
	Weight	2.04 Kg	4.28 lbs



## Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	7.3 Ah
	10 hour rate	6.5 Ah
	5 hour rate	5.6 Ah
	1 hour rate	4.4 Ah
	15 min rate	3.3 Ah
	Internal Resistance	40 mOhms
Capacity correction for Temperature Variations (C20)	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
	-15 °C (5 °F)	65%
Self-Discharge 20 °C (68 °F)	Capacity after 1 months storage	98%
	Capacity after 3 months storage	94%
	Capacity after 6 months storage	86%
Short Circuit Current 20 °C (68 °F)	300A	
Terminal	Standard	Faston T1
	Optional	Faston T2
Charging (Constant Voltage)	Cyclic	2.35 - 2.40 VPC (20-25 °C)
	Float	2.27 - 2.30 VPC (15-25 °C)



## Constant Power Discharge - Watts per Cell @20 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	49.2	30.0	22.6	18.5	15.5	13.5	12.0	10.9	10.0	8.00	5.89	4.61	3.17	2.40
1.80	52.9	32.0	24.0	19.6	16.4	14.2	12.6	11.4	10.4	8.20	6.02	4.76	3.37	2.60
1.75	53.9	32.8	25.1	20.4	17.0	14.7	13.0	11.7	10.6	8.40	6.19	4.93	3.50	2.74
1.70	54.7	33.1	25.4	20.7	17.2	14.8	13.1	11.8	10.7	8.54	6.37	5.07	3.62	2.87
1.65	55.0	33.4	25.7	20.8	17.3	14.9	13.2	11.9	10.8	8.76	6.53	5.19	3.74	2.97
1.60	55.4	34.0	26.0	21.0	17.5	15.0	13.3	12.0	10.9	8.93	6.67	5.31	3.83	3.05

## Constant Amps Discharge - Amps @20 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	26.3	15.5	11.7	9.67	8.25	7.25	6.42	5.73	5.20	4.10	3.00	2.35	1.65	1.28	1.05	0.72	0.60	0.51	0.32
1.80	29.1	16.7	12.3	10.1	8.55	7.50	6.70	6.00	5.45	4.30	3.11	2.44	1.70	1.31	1.09	0.75	0.62	0.53	0.34
1.75	30.7	17.4	12.8	10.4	8.83	7.70	6.85	6.15	5.57	4.37	3.16	2.47	1.72	1.33	1.10	0.77	0.64	0.55	0.36
1.70	31.7	17.8	13.0	10.6	8.96	7.80	6.90	6.22	5.64	4.43	3.20	2.49	1.73	1.34	1.12	0.78	0.65	0.56	0.37
1.65	32.2	18.1	13.3	10.8	9.10	7.90	7.00	6.30	5.73	4.52	3.26	2.54	1.76	1.36	-	-	-	-	-
1.60	32.8	18.5	13.6	11.0	9.20	8.00	7.10	6.41	5.83	4.59	3.30	2.56	1.77	1.37	-	-	-	-	-

## Ampere Hour @20 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	4.71	4.95	5.11	5.25	5.77	5.95	6.09	6.40
1.80	4.87	5.09	5.24	5.43	6.00	6.20	6.36	6.82
1.75	4.94	5.15	5.33	5.52	6.16	6.43	6.64	7.19
1.70	4.99	5.18	5.36	5.59	6.24	6.50	6.73	7.31
1.65	5.08	5.28	5.44	-	-	-	-	-
1.60	5.11	5.32	5.48	-	-	-	-	-



UL Recognised  
Component  
MH28512

