

HZS12-8 Valve Regulated Lead Acid Battery.
5 year design life for stand by power applicaations only.
12 Volts 8 Ah (C20)

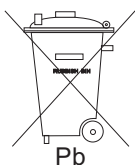
Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Case 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
- Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.



Specifications

Nominal Voltage	12 Volts
Nominal Capacity	8 Ah (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 Cycliing 2.35 @25 °C Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	Sulphuric acid Analytical grade purity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Terminal	T2 - 0.250" Fast-On Tab terminal



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

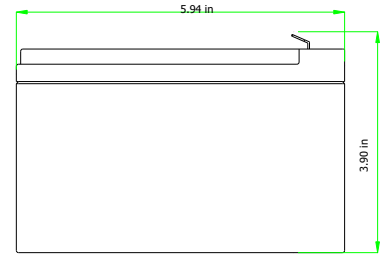
Website: www.hazebatteryusa.com
E mail : info@hazebattery.com

Sealed Lead Acid 12 Volt Bloc AGM Range
PRODUCT SHEET HZS12-8

12V
AGM

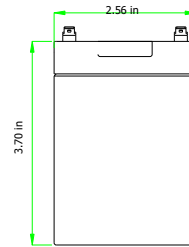
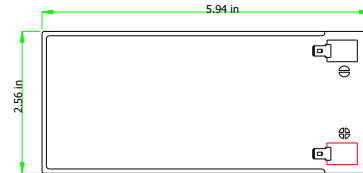
Specifications

Nominal Voltage		12V	
Nominal Capacity		8 Ah	
Dimensions	Total Height	94 mm	3.70 inches
	(Inc. terminals)	100 mm	3.94 inches
	Length	151 mm	5.94 inches
	Width	65 mm	2.56 inches
	Weight	2.64 Kg	5.54 lbs
	Box Quantity	8	



Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	8.3 Ah	
	10 hour rate	7.7 Ah	
	5 hour rate	6.5 Ah	
	1 hour rate	4.5 Ah	
	15 min rate	2.9 Ah	
	Internal Resistance	25.5 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)			
Terminal	Standard	Faston T2	
	Optional	Faston T1	
	Layout Ref.	D	
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

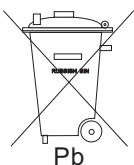
End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	42.2	25.7	19.7	16.4	14.2	12.5	11.2	10.2	9.32	7.57	5.61	4.47	3.16	2.44
1.80	45.1	27.5	21.1	17.5	15.2	13.4	12.0	10.9	10.0	8.08	5.99	4.78	3.37	2.61
1.75	48.0	29.2	22.4	18.7	16.1	14.3	12.7	11.6	10.6	8.60	6.37	5.08	3.59	2.78
1.70	49.1	29.9	22.9	19.1	16.5	14.6	13.0	11.8	10.8	8.79	6.51	5.19	3.67	2.84
1.65	49.7	30.2	23.2	19.3	16.7	14.8	13.2	12.0	11.0	8.90	6.60	5.26	3.72	2.87
1.60	50.2	30.5	23.4	19.5	16.9	14.9	13.3	12.1	11.1	8.99	6.66	5.31	3.75	2.90

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	21.1	13.2	10.0	8.18	7.08	6.25	5.58	5.10	4.75	3.89	2.85	2.29	1.64	1.31	1.12	0.78	0.66	0.56	0.36
1.80	22.6	14.1	10.7	8.74	7.56	6.67	5.96	5.44	5.08	4.15	3.05	2.44	1.75	1.40	1.19	0.84	0.70	0.60	0.38
1.75	24.0	15.0	11.4	9.30	8.04	7.10	6.34	5.79	5.40	4.42	3.24	2.60	1.87	1.49	1.27	0.89	0.75	0.64	0.41
1.70	24.5	15.3	11.7	9.50	8.22	7.26	6.48	5.92	5.52	4.52	3.31	2.66	1.91	1.53	1.30	0.91	0.77	0.65	0.41
1.65	24.8	15.5	11.8	9.63	8.32	7.35	6.56	5.99	5.59	4.57	3.35	2.69	1.93	1.54	-	-	-	-	-
1.60	25.1	15.7	11.9	9.72	8.40	7.42	6.63	6.05	5.64	4.62	3.39	2.72	1.95	1.56	-	-	-	-	-

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	4.58	4.93	5.25	5.59	6.27	6.59	6.76	7.14
1.80	4.89	5.26	5.61	5.97	6.70	7.04	7.22	7.63
1.75	5.20	5.60	5.97	6.35	7.13	7.49	7.68	8.12
1.70	5.31	5.72	6.10	6.49	7.28	7.66	7.85	8.29
1.65	5.38	5.80	6.18	-	-	-	-	-
1.60	5.43	5.85	6.24	-	-	-	-	-



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

