

HZS12-9 Valve Regulated Lead Acid Battery.
5 year design life for stand by power applications only.
12 Volts 9.1 Ah (C20)

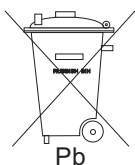
Innovative Features

- 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 - V0 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	9.1 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 Cycling 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.

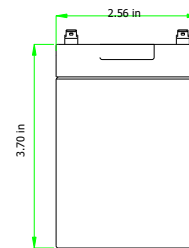
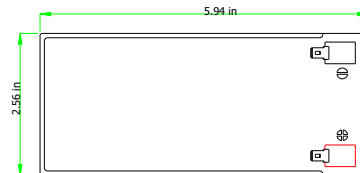
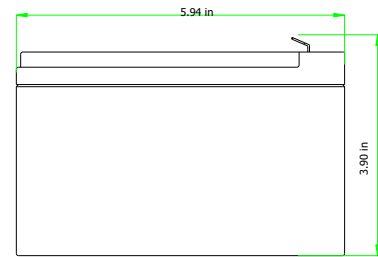
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Sealed Lead Acid 12 Volt Bloc AGM Range
PRODUCT SHEET HZS12-9

**12V
AGM**

Specifications

Nominal Voltage		12V	
Nominal Capacity		9 Ah	
Dimensions	Total Height	94 mm	3.70 inches
	(Inc. terminals)	102 mm	4.02 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	9.2 Ah
	10 hour rate	8.7 Ah
	5 hour rate	8.1 Ah
	1 hour rate	6.3 Ah
	15 min rate	4.9 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

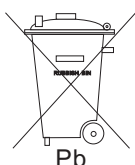
End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	71.6	40.3	29.9	24.5	20.8	18.0	16.1	14.6	13.3	10.5	7.21	5.62	4.02	3.25
1.80	76.5	43.1	31.9	26.2	22.2	19.3	17.2	15.6	14.2	11.2	7.70	6.00	4.29	3.47
1.75	81.4	45.8	34.0	27.9	23.6	20.5	18.3	16.5	15.1	11.9	8.19	6.39	4.57	3.70
1.70	83.1	46.8	34.7	28.5	24.2	21.0	18.7	16.9	15.5	12.2	8.37	6.53	4.67	3.78
1.65	84.2	47.4	35.1	28.8	24.5	21.2	18.9	17.1	15.7	12.3	8.48	6.61	4.73	3.82
1.60	85.0	47.9	35.5	29.1	24.7	21.4	19.1	17.3	15.8	12.4	8.56	6.67	4.77	3.86

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	31.9	21.6	16.7	13.3	11.2	9.68	8.54	7.64	6.92	5.46	3.88	3.04	2.17	1.69	1.40	0.92	0.76	0.64	0.40
1.80	34.1	23.1	17.9	14.2	12.0	10.3	9.12	8.16	7.39	5.84	4.14	3.25	2.32	1.81	1.50	0.99	0.81	0.68	0.43
1.75	36.2	24.6	19.0	15.2	12.7	11.0	9.70	8.69	7.87	6.21	4.41	3.46	2.47	1.93	1.59	1.05	0.86	0.73	0.46
1.70	37.0	25.1	19.4	15.5	13.0	11.2	9.92	8.88	8.04	6.35	4.50	3.54	2.52	1.97	1.62	1.07	0.87	0.74	0.46
1.65	37.5	25.5	19.7	15.7	13.2	11.4	10.0	8.99	8.14	6.43	4.56	3.58	2.56	1.99	-	-	-	-	-
1.60	37.9	25.7	19.9	15.8	13.3	11.5	10.1	9.08	8.22	6.49	4.60	3.62	2.58	2.01	-	-	-	-	-

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	6.09	6.52	6.78	7.01	7.39	7.57	7.69	8.01
1.80	6.50	6.97	7.24	7.49	7.90	8.08	8.22	8.55
1.75	6.92	7.41	7.70	7.97	8.40	8.60	8.74	9.10
1.70	7.07	7.57	7.87	8.10	8.53	8.74	8.88	9.25
1.65	7.16	7.67	7.97	-	-	-	-	-
1.60	7.23	7.74	8.05	-	-	-	-	-



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UL Recognised
Component
MH 20947

