

HZS12-35F Valve Regulated Lead Acid Battery.
5 year design life for stand by power applications only.
12 Volts 35 Ah (C20)

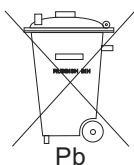
Innovative Features

- 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	34.5 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	Insert 14mm Dia M6 thread. Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value for all types is 5-7 Nm
Cables	Connectors, cables, terminal covers on request.



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

Website: www.hazebatteryusa.com
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Sealed Lead Acid 12 Volt Bloc AGM Range
PRODUCT SHEET HZS12-35F

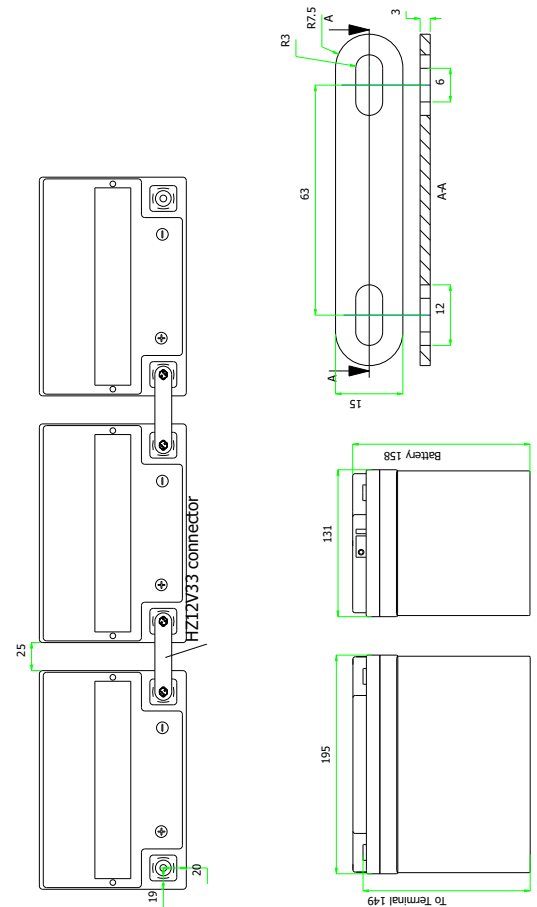
**12V
AGM**

Specifications

Nominal Voltage		12V	
Nominal Capacity		33 Ah	
Dimensions	Total Height	160 mm	6.30 inches
	(Inc. terminals)	160 mm	n/a inches
	Length	195 mm	7.68 inches
	Width	130 mm	5.12 inches
	Weight	10.7 Kg	23.65 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	35.1 Ah
	10 hour rate	31.1 Ah
	5 hour rate	27.1 Ah
	1 hour rate	22.3 Ah
	15 min rate	14.8 Ah
	Internal Resistance	7 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
	Capacity after 3 months storage	94%
	Capacity after 6 months storage	86%
Short Circuit Current 20 °C (68 °F)	500	
Terminal	Standard	4mm Insert M6 thread
	Optional	Lead Flag
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 @ 20-25 °C

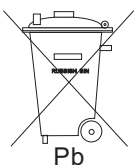
End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	189	138	109	91.0	78.2	68.7	61.4	55.3	50.3	39.9	28.1	21.7	15.2	11.8	9.77	8.41	7.41	6.65	5.56	4.78	3.15
1.80	200	143	113	93.7	80.2	70.3	62.7	56.3	51.4	40.7	28.6	22.1	15.4	12.0	9.92	8.51	7.51	6.75	5.64	4.88	3.23
1.75	205	146	115	95.1	81.2	71.1	63.3	56.9	51.9	41.0	28.8	22.3	15.6	12.1	10.0	8.62	7.62	6.85	5.73	4.95	3.28
1.70	210	148	116	96.2	82.2	71.7	63.8	57.4	52.3	41.2	28.9	22.4	15.7	12.2	10.1	8.71	7.72	6.95	5.80	5.00	3.33
1.65	214	151	118	97.3	83.0	72.4	64.3	57.9	52.8	41.5	29.2	22.6	15.8	12.3	-	-	-	-	-	-	-
1.60	219	155	120	98.4	83.8	73.1	65.0	58.5	53.3	41.9	29.5	22.8	15.9	12.4	-	-	-	-	-	-	-

Constant Amps Discharge - Amps @ 20-25 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	95.8	65.5	53.5	45.6	40.6	36.2	32.8	29.5	26.7	21.1	14.7	11.3	7.90	6.17	5.44	4.43	3.91	3.53	2.95	2.55	1.67
1.80	105	69.2	56.0	47.3	42.1	37.5	33.7	30.3	27.4	21.7	15.1	11.6	8.10	6.34	5.26	4.54	4.01	3.61	3.03	2.61	1.71
1.75	111	71.7	57.5	48.3	42.7	38.0	34.2	30.7	27.7	21.9	15.3	11.8	8.23	6.42	5.34	4.62	4.08	3.66	3.06	2.63	1.72
1.70	114	74.0	59.1	49.1	43.4	38.5	34.8	31.1	28.2	22.3	15.5	12.0	8.35	6.53	5.41	4.68	4.14	3.72	3.11	2.68	1.75
1.65	116	76.2	60.3	50.0	44.0	39.0	35.3	31.6	28.5	22.5	15.6	12.1	8.40	6.58	-	-	-	-	-	-	-
1.60	121	78.6	61.4	50.9	44.7	39.5	35.7	31.9	28.8	22.6	15.8	12.2	8.47	6.62	-	-	-	-	-	-	-

Ampere Hour @ 20-25 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	22.1	22.7	23.7	24.7	25.7	26.6	27.3	28.2	29.5	30.5
1.80	23.2	24.3	25.4	26.3	27.2	28.1	28.9	30.3	31.3	34.2
1.75	23.6	24.7	25.7	26.7	27.7	28.6	29.3	30.6	31.6	34.5
1.70	24.0	25.1	26.1	27.1	28.1	29.0	29.8	31.1	32.2	35.1
1.65	24.2	25.2	26.3	-	-	-	-	-	-	-
1.60	24.3	25.4	26.5	-	-	-	-	-	-	-



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