

HZS12-35F Valve Regulated Lead Acid battery.
12 5 year design life for stand by power applications.
12 Volts 35 Ah

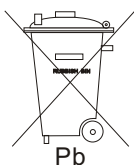
Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Fully tank formed plates
- Analytical 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	35Ah (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	Flag Nut & Bolt (Option: Insert 12mm 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.hazebattery.com
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Sealed Lead Acid 12 Volt Bloc AGM Range
PRODUCT SHEET HZS12-35F

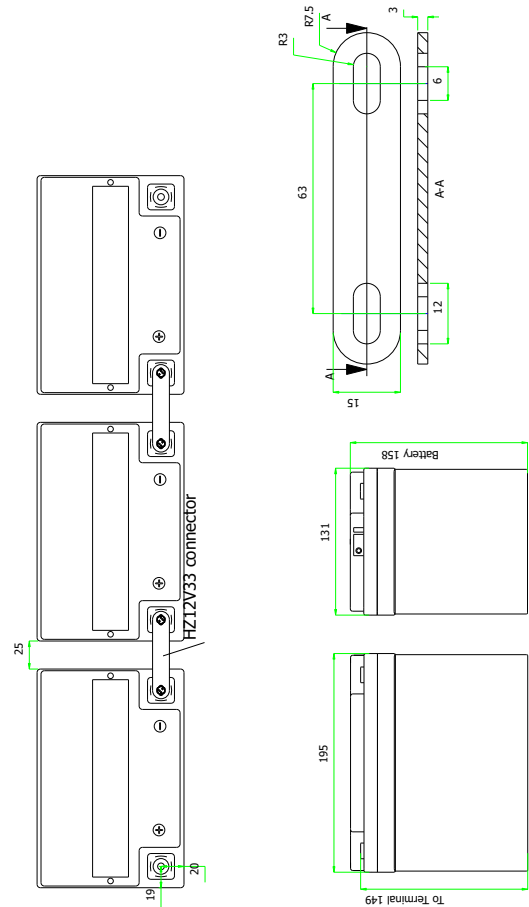
**12V
AGM**

Specifications

Nominal Voltage		12V	
Nominal Capacity		35 Ah	
Dimensions	Total Height (Inc. terminals)	160 mm	6.30 inches
	Length	195 mm	7.68 inches
	Width	130 mm	5.12 inches
	Weight	10.9 Kg	24.09 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	35 Ah
	10 hour rate	29.1 Ah
	5 hour rate	25.7 Ah
	1 hour rate	21.5 Ah
	15 min rate	15.8 Ah
	Internal Resistance	8.5 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)	1100	
Terminal	Optional	14mm Insert M6 thread
	Standard	Lead Flag
Charging (Constant Voltage)	Cyclic	2.35 - 2.40 VPC (20-25 °C)
	Float	2.27 - 2.30 VPC (15-25 °C)



Constant Discharge Power @ 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	178	136	107	87.9	76.0	67.4	59.8	54.2	49.4	38.9	27.4	20.9	14.3	11.3
1.80	197	146	110	92.5	78.6	68.9	61.7	55.2	50.5	40.0	27.9	21.3	14.7	11.6
1.75	203	149	114	94.2	79.5	70.0	61.9	55.5	50.8	40.3	28.0	21.5	14.8	11.6
1.70	206	151	115	96.2	81.0	71.2	62.5	56.3	51.1	40.6	28.3	21.7	15.1	12.0
1.65	208	152	116	97.1	81.8	71.6	63.0	56.6	51.6	40.9	28.6	21.9	15.2	-
1.60	215	155	118	98.0	82.7	72.5	63.7	57.2	52.1	41.4	28.8	22.0	15.3	-

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	95.8	72.8	57.1	46.7	40.3	35.6	31.5	28.5	25.9	20.3	14.2	10.8	7.33	5.75	4.80	3.34	2.76	2.40	1.60
1.80	107	79.3	59.8	49.8	42.1	36.8	32.8	29.3	26.7	21.0	14.5	11.1	7.57	5.96	4.97	3.46	2.83	2.46	1.63
1.75	112	81.9	62.4	51.1	42.9	37.6	33.1	29.6	26.9	21.2	14.7	11.2	7.66	5.99	4.99	3.47	2.85	2.47	1.64
1.70	114	83.4	63.4	52.5	44.0	38.5	33.6	30.1	27.2	21.5	14.8	11.3	7.84	6.19	5.14	3.56	2.91	2.52	1.66
1.65	116	84.6	64.1	53.2	44.6	38.8	34.0	30.3	27.6	21.7	15.0	11.4	7.90	-	-	-	-	-	-
1.60	121	86.4	65.2	53.8	45.1	39.3	34.4	30.7	27.8	21.9	15.2	11.5	7.95	-	-	-	-	-	-

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	21.6	22.0	23.0	24.0	26.7	27.6	28.8	32.0
1.80	22.1	22.7	23.9	24.8	27.7	28.3	29.5	33.7
1.75	22.3	23.0	24.0	25.0	27.8	28.5	29.7	35.0
1.70	22.6	23.5	24.8	25.7	28.5	29.1	30.3	35.3
1.65	22.9	23.7	-	-	-	-	-	-
1.60	23.1	23.9	-	-	-	-	-	-



UL Recognised
Component
MH28512

