

HZB12-55 Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 55 Ah

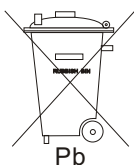
Innovative Features

- 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 - 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	55Ah (C20 @ 20 °C)
Design Life	12 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 12mm Dia M5 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 HZB12-55

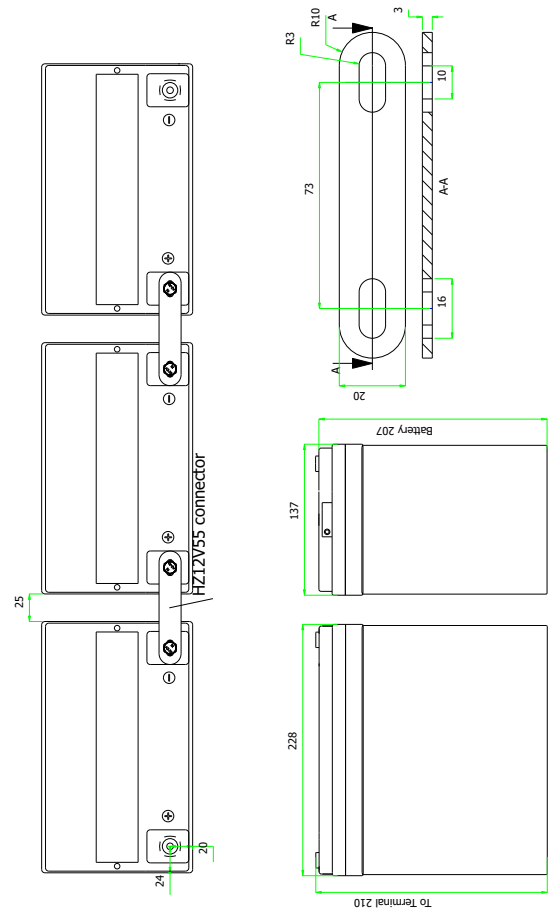
12V
AGM

Specifications

Nominal Voltage		12V	
Nominal Capacity		55 Ah	
Dimensions	Total Height (Inc. terminals)	207 mm	8.15 inches
	Length	228 mm	8.98 inches
	Width	137 mm	5.39 inches
	Weight	17.5 Kg	38.68 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	54.6 Ah
	10 hour rate	47.2 Ah
	5 hour rate	42.8 Ah
	1 hour rate	35.5 Ah
	15 min rate	27.4 Ah
	Internal Resistance	6.5 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)	1700	
Terminal	Standard	14mm Insert M6 thread
	Optional	Lead Flag - J Type - Auto
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	265	214	172	141	118	103	92.4	84.3	78.1	63.6	45.5	35.3	24.5	19.1
1.80	288	243	192	151	125	108	97.0	88.0	81.4	65.5	46.0	35.6	25.1	19.5
1.75	299	250	196	155	129	111	98.6	89.6	82.2	65.5	46.1	35.7	25.2	19.7
1.70	314	257	199	157	129	112	98.9	90.1	83.6	67.2	47.0	36.4	25.9	20.2
1.65	322	264	204	161	132	113	100	91.0	84.1	67.5	47.6	36.8	26.0	-
1.60	336	270	207	163	134	115	102	92.0	85.0	68.0	48.1	37.0	26.1	-

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	142	114	91.9	74.7	62.4	54.3	48.7	44.3	40.9	33.2	23.6	18.2	12.6	9.73	8.00	5.39	4.43	3.79	2.55
1.80	157	132	104	81.2	67.2	57.8	51.6	46.6	43.0	34.4	24.0	18.5	12.9	10.0	8.24	5.54	4.58	3.92	2.64
1.75	165	137	107	84.0	69.3	59.8	52.6	47.7	43.6	34.5	24.1	18.6	13.0	10.1	8.32	5.59	4.61	3.94	2.65
1.70	175	142	109	85.9	70.2	60.4	53.2	48.2	44.5	35.5	24.7	19.0	13.4	10.4	8.57	5.70	4.72	4.06	2.73
1.65	180	146	112	88.3	72.0	61.5	53.9	48.8	44.9	35.8	25.0	19.2	13.5	-	-	-	-	-	-
1.60	189	151	115	89.5	73.3	62.6	55.0	49.4	45.4	36.1	25.3	19.4	13.6	-	-	-	-	-	-

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	36.4	37.7	38.9	40.0	43.1	44.3	45.5	50.9
1.80	36.9	38.8	39.9	41.2	44.3	45.8	47.0	52.7
1.75	37.2	39.1	40.5	41.6	44.7	46.1	47.3	53.0
1.70	38.0	40.3	41.7	42.8	45.6	47.2	48.7	54.6
1.65	38.5	40.5	-	-	-	-	-	-
1.60	38.8	40.7	-	-	-	-	-	-

