

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

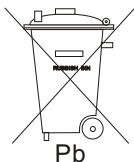
Innovative Features

- 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 - 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	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

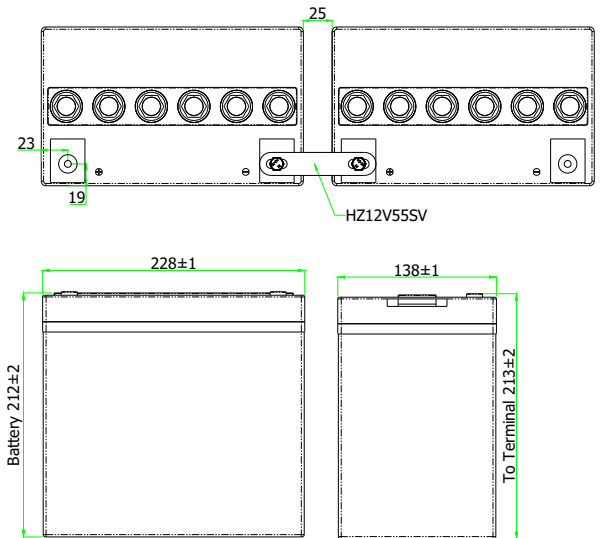
12V
AGM

Specifications

Nominal Voltage		12V	
Nominal Capacity		55 Ah	
Dimensions	Total Height (Inc. terminals)	213 mm	8.39 inches
		n/a mm	n/a inches
	Length	229 mm	9.02 inches
	Width	138 mm	5.43 inches
	Weight	17 Kg	37.57 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	59.1 Ah
	10 hour rate	52.9 Ah
	5 hour rate	45.2 Ah
	1 hour rate	35.3 Ah
	15 min rate	25.2 Ah
	Internal Resistance	6.5 mOhms
Capacity correction for Temperature Variations (C20)	Impedance	600 S
	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
Self-Discharge 20 °C (68 °F)	-15 °C (5 °F)	65%
	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)	600	
Terminal	Standard	Optional
	14mm Insert M6 thread 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 @ 20-25 °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	265	210	171	141	120	105	93.7	85.0	78.1	62.6	45.1	35.1	24.5	19.1	15.8	13.5	11.9	10.6	8.83	7.58	4.98
1.80	288	226	179	147	125	109	97.3	87.9	80.7	64.0	45.9	35.8	25.1	19.5	16.1	13.8	12.1	10.8	9.00	7.72	5.13
1.75	299	233	183	150	127	111	98.7	89.2	81.7	64.8	46.4	36.1	25.3	19.7	16.2	13.9	12.2	10.9	9.09	7.81	5.22
1.70	314	238	186	151	129	112	99.9	90.2	82.6	65.5	46.9	36.4	25.6	19.9	16.5	14.1	12.4	11.1	9.19	7.93	5.29
1.67	318	241	188	153	129	113	100	90.7	83.0	65.8	47.1	36.6	25.7	20.0	-	-	-	-	-	-	-
1.65	322	244	189	154	130	114	101	91.2	83.4	66.1	47.3	36.8	25.8	20.1	-	-	-	-	-	-	-
1.60	336	250	192	155	131	115	102	92.3	84.3	66.7	47.7	37.0	26.0	20.3	-	-	-	-	-	-	-

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	142	109	89.2	74.6	64.0	56.3	50.3	45.4	41.6	33.1	23.4	18.1	12.7	10.1	8.45	7.29	6.53	5.92	4.96	4.26	2.76
1.80	157	118	95.1	78.0	66.9	58.7	52.3	47.3	43.1	34.2	24.0	18.6	13.1	10.4	8.68	7.50	6.70	6.09	5.10	4.39	2.84
1.75	165	123	97.7	80.0	68.2	59.8	53.3	48.2	43.9	34.7	24.4	18.9	13.3	10.6	8.87	7.67	6.86	6.22	5.19	4.46	2.90
1.70	175	128	101	81.8	69.5	60.7	54.2	48.9	44.6	35.3	24.8	19.2	13.5	10.8	9.04	7.81	6.96	6.32	5.29	4.54	2.96
1.67	178	130	102	82.4	70.0	61.1	54.5	49.2	44.9	35.5	24.9	19.3	13.6	10.8	-	-	-	-	-	-	-
1.65	180	132	102	83.0	70.5	61.5	54.9	49.5	45.1	35.8	25.0	19.4	13.6	10.8	-	-	-	-	-	-	-
1.60	189	136	104	84.2	71.4	62.2	55.4	50.0	45.6	36.1	25.3	19.5	13.7	10.9	-	-	-	-	-	-	-

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	35.0	36.2	38.2	40.3	42.2	43.8	45.7	47.4	49.6	51.1
1.80	37.2	39.2	41.4	43.4	45.0	46.9	48.8	51.0	52.6	56.8
1.75	37.7	39.9	42.2	44.3	46.0	48.0	49.8	51.9	53.5	57.9
1.70	38.4	40.6	43.0	45.2	46.9	48.7	50.6	52.9	54.5	59.1
1.67	38.6	40.7	43.2	-	-	-	-	-	-	-
1.65	38.7	40.9	43.3	-	-	-	-	-	-	-
1.60	39.1	41.2	43.7	-	-	-	-	-	-	-

**UL Recognised
Component
MH28512**



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