

HZB12-55 Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 60 Ah

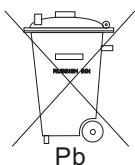
Innovative Features

- 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	60Ah (C20)
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 See Haze cyclic charging profile 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 16mm 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 HZB12-55

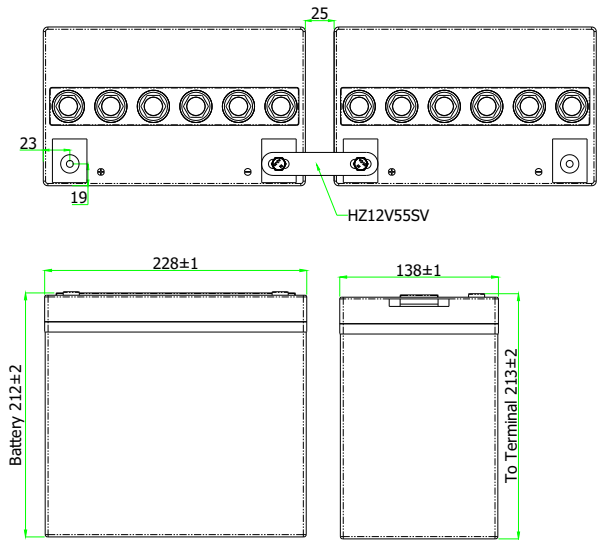
**12V
AGM**

Specifications

Nominal Voltage		12V	
Nominal Capacity		60 Ah	
Dimensions	Total Height	213 mm	8.39 inches
	(Inc. terminals)	n/a mm	n/a inches
	Length	229 mm	9.02 inches
	Width	138 mm	5.43 inches
	Weight	17.3 Kg	38.23 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	60.8 Ah
	10 hour rate	58.9 Ah
	5 hour rate	54.0 Ah
	1 hour rate	39.9 Ah
	15 min rate	27.0 Ah
	Internal Resistance	5.8 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	16mm 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 @ 20-25 °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	372	220	166	139	121	108	99.1	90.0	82.8	66.1	47.9	37.7	27.0	21.5	18.0	15.5	13.6	12.2	10.0	8.51	5.30
1.80	397	235	177	148	129	115	106	96.1	88.5	70.6	51.2	40.2	28.8	23.0	19.2	16.6	14.6	13.0	10.7	9.09	5.66
1.75	422	250	189	158	137	123	113	102	94.1	75.1	54.5	42.8	30.7	24.5	20.4	17.6	15.5	13.8	11.4	9.67	6.02
1.70	432	255	193	161	140	126	115	104	96.2	76.8	55.7	43.7	31.3	25.0	20.8	18.0	15.8	14.1	11.6	9.88	6.15
1.67	435	257	195	162	142	127	116	105	97.1	77.4	56.2	44.1	31.6	25.2	-	-	-	-	-	-	-
1.65	437	258	195	163	142	127	117	106	97.4	77.7	56.4	44.3	31.7	25.3	-	-	-	-	-	-	-
1.60	441	261	197	165	143	128	118	107	98.4	78.5	56.9	44.7	32.0	25.6	-	-	-	-	-	-	-

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	180	117	93.0	77.2	65.8	57.5	51.3	46.6	42.7	34.3	25.2	19.9	14.2	11.2	9.29	7.96	6.94	6.18	5.07	4.29	2.62
1.80	192	125	99.3	82.5	70.3	61.4	54.8	49.8	45.6	36.7	26.9	21.2	15.2	11.9	9.93	8.51	7.41	6.60	5.41	4.59	2.80
1.75	204	134	106	87.7	74.8	65.4	58.3	53.0	48.5	39.0	28.7	22.6	16.1	12.7	10.6	9.05	7.89	7.02	5.76	4.88	2.98
1.70	208	136	108	89.6	76.5	66.8	59.6	54.1	49.6	39.9	29.3	23.1	16.5	13.0	10.8	9.25	8.06	7.17	5.89	4.99	3.04
1.67	210	138	109	90.4	77.1	67.4	60.1	54.6	50.0	40.2	29.6	23.3	16.6	13.1	-	-	-	-	-	-	-
1.65	211	138	109	90.8	77.4	67.6	60.3	54.8	50.2	40.4	29.7	23.3	16.7	13.1	-	-	-	-	-	-	-
1.60	213	140	110	91.7	78.2	68.3	60.9	55.3	50.7	40.8	30.0	23.6	16.9	13.2	-	-	-	-	-	-	-

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	39.7	42.6	44.6	46.5	47.8	48.6	49.4	50.7	51.5	52.4
1.80	42.4	45.5	47.7	49.6	51.0	51.9	52.8	54.1	55.0	55.9
1.75	45.1	48.4	50.7	52.8	54.3	55.2	56.2	57.6	58.6	59.5
1.70	46.1	49.5	51.8	54.0	55.5	56.4	57.4	58.9	59.8	60.8
1.67	46.5	49.9	52.3	-	-	-	-	-	-	-
1.65	46.7	50.1	52.5	-	-	-	-	-	-	-
1.60	47.2	50.6	53.0	-	-	-	-	-	-	-

UL Recognised Component
MH28512



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