

HZB6-110 Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.  
6 Volts 125 Ah

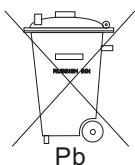
### Innovative Features

- 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	6 Volts
Nominal Capacity	125Ah (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 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 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](http://www.hazebattery.com)  
E mail : [sales@hazebattery.com](mailto:sales@hazebattery.com)

Sealed Lead Acid 12 Volt Bloc AGM Range  
PRODUCT SHEET HZB6-110

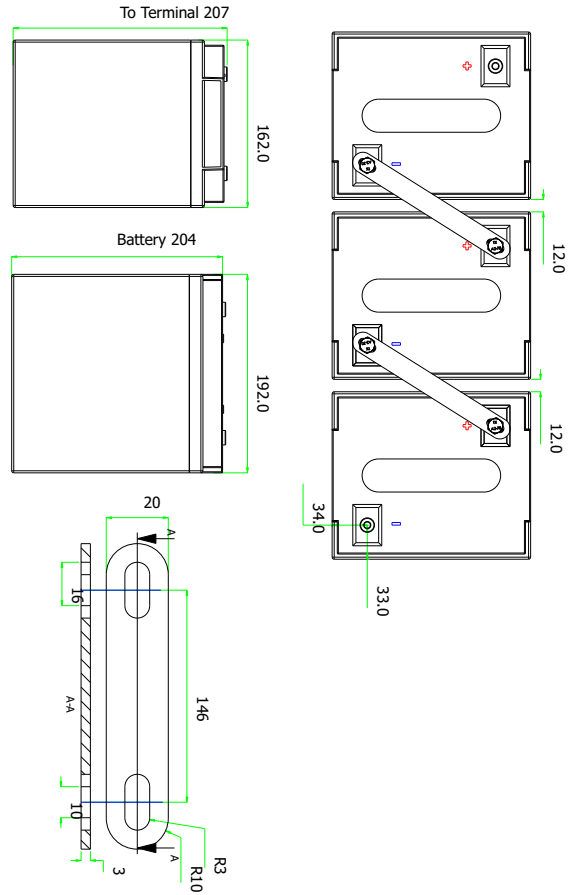
6V  
AGM

## Specifications

Nominal Voltage		6V	
Nominal Capacity		125 Ah	
Dimensions	Total Height (Inc. terminals)	205 mm n/a mm	8.07 inches n/a inches
	Length	193 mm	7.60 inches
	Width	168 mm	6.61 inches
	Weight	17.7 Kg	39.12 lbs

## Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	125.6 Ah
	10 hour rate	118.9 Ah
	5 hour rate	108.4 Ah
	1 hour rate	78.6 Ah
	15 min rate	51.7 Ah
	Internal Resistance	1.7 mOhms
	Impedance	1300 S
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)	3200	
Terminal	Standard	14mm Insert M6 thread
	Optional	Cu/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	717	439	345	291	251	222	201	183	167	134	95.2	74.7	53.7	42.9	36.1	31.0	27.3	24.4	20.0	17.1	10.8
1.80	765	469	369	311	268	238	215	196	179	143	102	79.8	57.4	45.8	38.6	33.2	29.1	26.0	21.4	18.2	11.5
1.75	814	499	392	331	285	253	229	208	190	152	108	84.9	61.1	48.8	41.1	35.3	31.0	27.7	22.7	19.4	12.3
1.70	832	510	401	338	292	258	234	213	194	155	111	86.8	62.4	49.8	42.0	36.0	31.7	28.3	23.2	19.8	12.6
1.67	840	514	405	341	294	261	236	215	196	157	112	87.6	62.9	50.3	-	-	-	-	-	-	-
1.65	843	516	406	343	295	262	237	216	197	157	112	87.9	63.2	50.5	-	-	-	-	-	-	-
1.60	851	521	410	346	298	264	239	218	199	159	113	88.8	63.8	51.0	-	-	-	-	-	-	-

## 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	319	220	178	149	129	113	101	91.6	84.1	67.7	48.6	38.7	28.2	22.5	18.7	16.0	14.1	12.5	10.2	8.71	5.41
1.80	341	235	190	159	138	121	108	97.8	89.8	72.3	52.0	41.3	30.2	24.0	19.9	17.1	15.0	13.4	10.9	9.30	5.77
1.75	363	250	202	169	147	129	115	104	95.5	77.0	55.3	44.0	32.1	25.5	21.2	18.2	16.0	14.2	11.6	9.89	6.14
1.70	371	255	207	173	150	131	118	106	97.6	78.6	56.5	44.9	32.8	26.1	21.7	18.6	16.3	14.5	11.9	10.11	6.28
1.67	374	257	209	175	151	133	119	107	98.5	79.3	57.0	45.3	33.1	26.3	-	-	-	-	-	-	-
1.65	376	258	209	175	152	133	119	108	98.9	79.6	57.2	45.5	33.2	26.4	-	-	-	-	-	-	-
1.60	379	261	211	177	153	134	120	109	99.8	80.4	57.8	45.9	33.5	26.7	-	-	-	-	-	-	-

## 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	77.4	84.7	89.8	93.4	96.1	98.4	100	102	104	108
1.80	82.6	90.5	96.0	99.7	103	105	107	109	112	115
1.75	87.9	96.2	102	106	109	112	114	116	119	123
1.70	89.9	98.4	104	108	112	114	116	119	121	126
1.67	90.6	99.2	105	-	-	-	-	-	-	-
1.65	91.0	99.6	106	-	-	-	-	-	-	-
1.60	91.9	101	107	-	-	-	-	-	-	-

**UL Recognised  
Component  
MH28512**



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