

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

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



**АГАРА**  
**ЭНЕРГИЯ**

**ООО "АГАРА ЭНЕРГИЯ"**  
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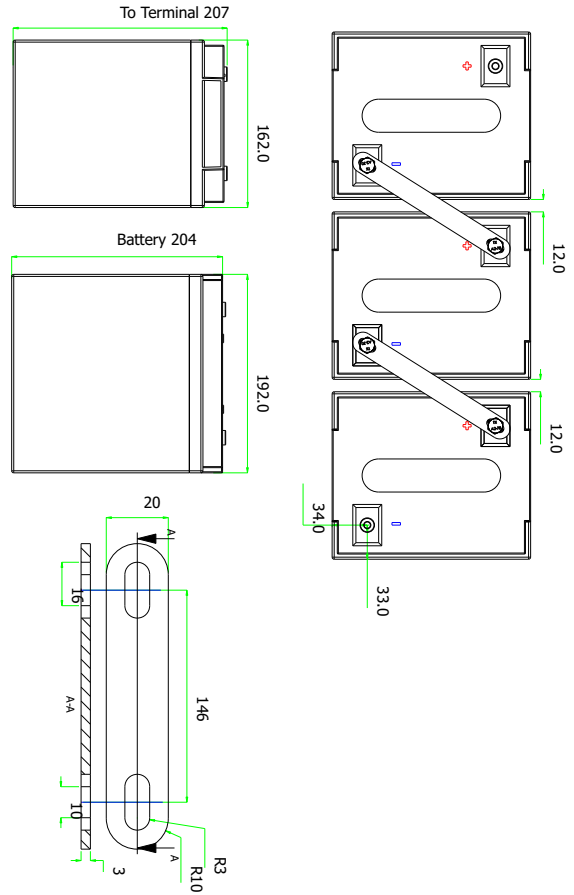
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## Specifications

Nominal Voltage		6V	
Nominal Capacity		110 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	16 Kg	35.36 lbs

## Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	112.0 Ah
	10 hour rate	98.3 Ah
	5 hour rate	87.5 Ah
	1 hour rate	71.2 Ah
	15 min rate	52.6 Ah
Internal Resistance		4 mOhms
Impedance		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 Vdgtage)	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	470	384	317	273	239	216	193	174	158	126	93.4	73.3	51.0	39.2
1.80	581	454	359	298	261	230	202	184	168	133	94.9	74.4	51.7	39.9
1.75	594	481	378	314	269	233	206	187	170	134	95.4	74.9	51.7	40.0
1.70	616	484	382	319	273	236	209	188	171	135	96.9	76.3	53.2	41.2
1.65	647	492	387	322	276	239	211	191	173	136	97.9	76.6	53.3	-
1.60	674	507	399	326	277	242	213	193	174	137	99.2	77.0	53.6	-

## 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	252	205	169	145	127	114	101	91.7	82.9	65.9	48.4	37.8	26.1	20.0	16.3	11.2	9.18	7.85	5.22
1.80	317	247	194	161	140	123	108	97.3	88.6	69.6	49.5	38.6	26.6	20.5	16.9	11.5	9.49	8.12	5.42
1.75	328	264	206	170	145	125	110	99.3	90.0	70.4	49.9	39.0	26.8	20.6	17.0	11.6	9.55	8.17	5.44
1.70	342	268	210	174	148	127	112	101	91.1	71.2	50.9	39.8	27.6	21.3	17.5	11.9	9.83	8.41	5.60
1.65	362	273	213	176	150	129	114	102	92.6	71.9	51.5	40.0	27.7	-	-	-	-	-	-
1.60	378	283	220	179	151	131	115	104	93.2	72.4	52.2	40.3	27.8	-	-	-	-	-	-

## 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	75.6	78.3	80.0	81.7	89.8	91.8	94.2	104
1.80	77.2	79.9	81.8	84.5	92.1	94.9	97.4	108
1.75	77.9	80.3	82.4	84.9	92.9	95.5	98.0	109
1.70	79.6	82.7	85.1	87.5	95.6	98.3	101	112
1.65	80.1	83.0	-	-	-	-	-	-
1.60	80.6	83.5	-	-	-	-	-	-



UL Recognised  
Component  
MH28512

