

HZB12-160 Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 160 Ah

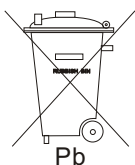
Innovative Features

- 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	160Ah (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
E mail : sales@hazebattery.com

Sealed Lead Acid 12 Volt Bloc AGM Range
PRODUCT SHEET HZB12-160

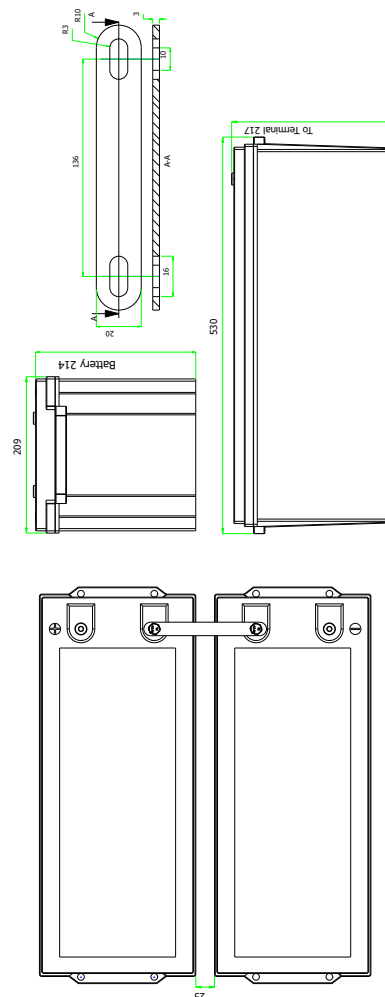
12V
AGM

Specifications

Nominal Voltage		12V	
Nominal Capacity		160 Ah	
Dimensions	Total Height (Inc. terminals)	214 mm	8.43 inches
	Length	530 mm	20.87 inches
	Width	209 mm	8.23 inches
	Weight	52.2 Kg	115.36 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	165.0 Ah
	10 hour rate	150.2 Ah
	5 hour rate	136.2 Ah
	1 hour rate	114.7 Ah
	15 min rate	72.9 Ah
	Internal Resistance	2 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)	4700	
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 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	544	474	416	369	339	308	279	257	238	199	145	114	78.8	61.2
1.80	724	585	478	417	369	335	309	284	263	211	149	117	80.2	61.9
1.75	767	619	504	439	387	348	318	293	270	215	152	117	80.6	61.8
1.70	797	648	530	453	391	350	322	296	272	217	153	119	82.1	64.2
1.65	816	655	537	457	393	352	324	298	273	218	155	120	82.6	-
1.60	850	680	551	465	401	356	329	300	275	220	156	120	83.0	-

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	292	254	222	196	180	163	147	135	125	104	75.3	58.8	40.4	31.2	25.6	17.1	14.1	12.0	7.69
1.80	395	318	259	225	198	179	164	150	139	111	77.9	60.8	41.3	31.7	26.1	17.8	14.6	12.4	7.96
1.75	423	340	275	238	209	187	170	156	143	113	79.3	61.1	41.7	31.8	26.2	17.9	14.7	12.5	8.01
1.70	443	358	292	247	212	189	173	158	145	115	80.2	62.0	42.6	33.2	27.2	18.4	15.0	12.9	8.25
1.65	456	364	296	250	214	191	175	160	146	115	81.3	62.5	42.9	-	-	-	-	-	-
1.60	477	379	305	255	219	193	178	161	147	117	82.2	63.0	43.1	-	-	-	-	-	-

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	118	121	125	128	137	141	144	154
1.80	122	124	127	131	142	146	149	159
1.75	122	125	127	131	143	147	150	160
1.70	124	128	133	136	147	150	154	165
1.65	125	129	-	-	-	-	-	-
1.60	126	129	-	-	-	-	-	-



UL Recognised
Component
MH28512

