

HZB6-160 Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
6 Volts 160 Ah

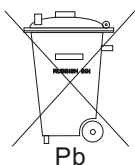
Innovative Features

- 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	6 Volts
Nominal Capacity	160Ah (C10 @ 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 HZB6-160

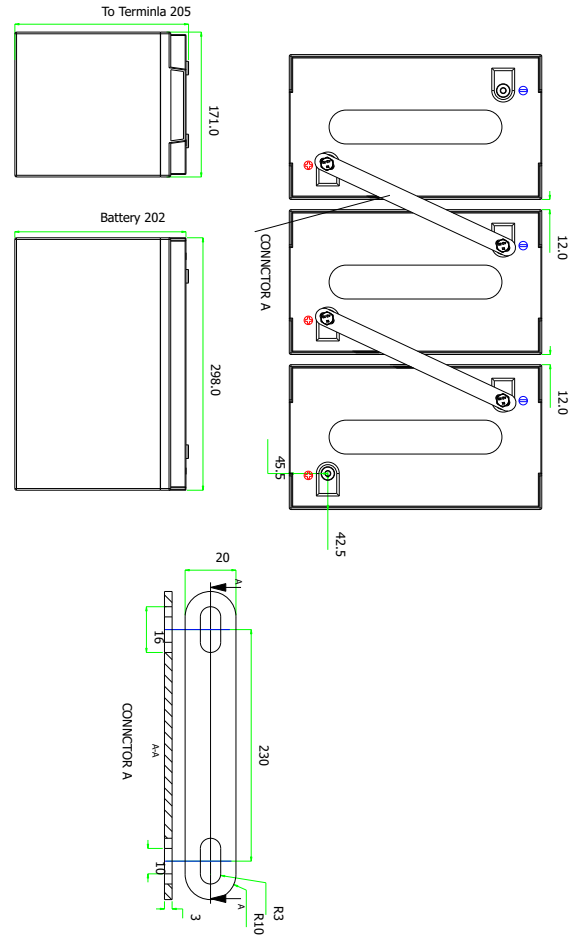
6V
AGM

Specifications

Nominal Voltage		6V	
Nominal Capacity		160 Ah	
Dimensions	Total Height (Inc. terminals)	226 mm	8.90 inches
	Length	298 mm	11.73 inches
	Width	171 mm	6.73 inches
	Weight	26 Kg	57.46 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	171.6 Ah
	10 hour rate	156.2 Ah
	5 hour rate	141.6 Ah
	1 hour rate	119.3 Ah
	15 min rate	74.4 Ah
	Internal Resistance	2 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)	4600	
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	566	493	432	383	353	320	290	267	248	207	151	119	82.0	63.7
1.80	739	597	497	434	384	348	321	295	273	219	155	122	83.5	64.4
1.75	782	644	514	457	402	362	331	304	280	224	158	122	83.9	64.3
1.70	813	661	541	471	406	364	335	308	282	226	159	124	85.4	66.8
1.65	833	668	548	475	409	366	337	310	284	227	161	124	85.9	-
1.60	867	694	562	484	417	370	342	312	286	229	162	125	86.3	-

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	304	264	231	204	187	169	153	140	130	108	78.3	61.2	42.0	32.4	26.6	17.8	14.7	12.5	8.00
1.80	403	324	269	234	206	186	171	156	144	115	81.1	63.2	43.0	33.0	27.1	18.5	15.2	12.9	8.28
1.75	432	354	280	248	217	194	177	162	149	118	82.5	63.5	43.4	33.1	27.3	18.6	15.3	13.0	8.33
1.70	452	365	297	257	221	197	180	165	150	119	83.4	64.5	44.3	34.5	28.3	19.2	15.6	13.4	8.58
1.65	466	371	302	260	223	198	182	166	151	120	84.6	65.0	44.6	-	-	-	-	-	-
1.60	487	387	311	265	228	201	185	168	153	121	85.5	65.5	44.9	-	-	-	-	-	-

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	122	126	130	133	142	147	150	160
1.80	126	129	132	136	148	152	155	166
1.75	127	130	132	136	149	153	156	167
1.70	129	133	138	142	153	156	160	172
1.65	130	134	-	-	-	-	-	-
1.60	131	135	-	-	-	-	-	-



UL Recognised
Component
MH28512

