

HZB12-230 Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.

#### Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Special formation process
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - VO 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	263Ah (C20) 1.75Vpc
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 18mm Dia M8 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.

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Sealed Lead Acid 12 Volt Bloc AGM Range

PRODUCT SHEET HZB12-230

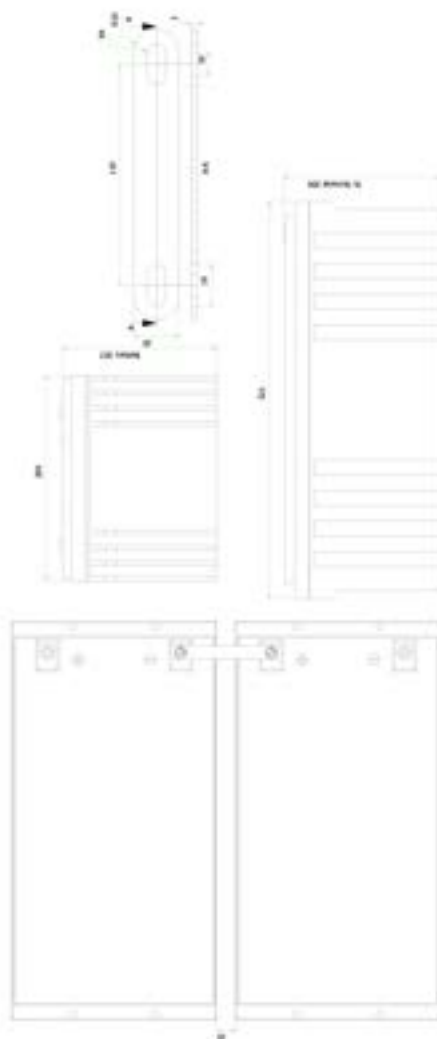
**12V**  
**AGM**

## Specifications

Nominal Voltage		12V	
Nominal Capacity		263 Ah	
Dimensions	Total Height (Inc. terminals)	203 mm n/a mm	7.99 inches n/a inches
	Length	521 mm	20.51 inches
	Width	269 mm	10.59 inches
	Weight	73.5 Kg	162.44 lbs

## Characteristics

Capacity 20-25 °C (68-77 °F) To 1.75 volts	20 hour rate	263.0 Ah
	10 hour rate	244.0 Ah
	5 hour rate	222.0 Ah
	1 hour rate	163.0 Ah
	15 min rate	85.0 Ah
	Internal Resistance Impedance	2.2 mOhms 2150 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)	5900	
Terminal	Standard	18mm Insert M8 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	880	657	575	527	487	454	421	387	359	294	218	171	123	95.6	80.3	68.9	60.4	53.9	44.2	37.5	23.7
1.80	940	702	614	563	520	485	450	414	384	314	232	183	131	102	85.7	73.5	64.5	57.6	47.2	40.1	25.3
1.75	1000	746	654	599	553	516	478	440	408	334	247	195	139	109	91.2	78.2	68.6	61.2	50.2	42.6	26.9
1.70	1022	763	668	612	565	527	489	450	417	341	253	199	142	111	93.2	80.0	70.1	62.6	51.3	43.5	27.5
1.67	1031	770	674	617	570	532	493	454	421	344	255	201	144	112	-	-	-	-	-	-	-
1.65	1035	773	676	619	573	534	495	456	422	346	256	201	144	112	-	-	-	-	-	-	-
1.60	1045	780	683	625	578	539	500	460	426	349	258	203	146	114	-	-	-	-	-	-	-

## 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	418	329	299	267	245	223	206	191	177	144	107	84.6	60.7	47.6	39.1	33.3	29.2	26.0	21.5	18.2	11.56
1.80	447	352	319	285	261	238	220	204	189	154	114	90.4	64.8	50.8	41.7	35.6	31.2	27.8	22.9	19.5	12.35
1.75	475	374	340	303	278	253	234	217	201	163	122	96.2	69.0	54.1	44.4	37.9	33.1	29.6	24.4	20.7	13.14
1.70	486	382	347	310	284	259	239	222	205	167	124	98.3	70.5	55.3	45.4	38.7	33.9	30.2	24.9	21.2	13.43
1.67	490	386	350	312	287	261	241	224	207	168	125	99.1	71.1	55.8	-	-	-	-	-	-	-
1.65	492	387	351	314	288	262	242	224	208	169	126	100	71.4	56.0	-	-	-	-	-	-	-
1.60	497	391	355	317	291	265	245	227	210	171	127	100	72.1	56.5	-	-	-	-	-	-	-

**ACCU ITALIA® spa**

ACCUMULATORI

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UL Recognised  
Component  
MH28512