

HZB2-200 Valve Regulated Lead Acid battery, 15 year design life for stand by power applications. 2 Volts 200 Ah @ C10

### Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Increased durability and deep cycle ability for heavy demand applications
- 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.



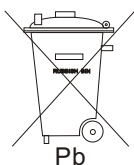
2V  
AGM

Sealed Lead Acid 2 Volt Bloc AGM Range

PRODUCT SHEET HZB2-200

### Specifications

Nominal Voltage	2 Volts
Nominal Capacity	200Ah (C10 @ 25 °C)
Design Life	15 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 2.27 - 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 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 supplied as standard, cables on request.



Haze Battery Company keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.

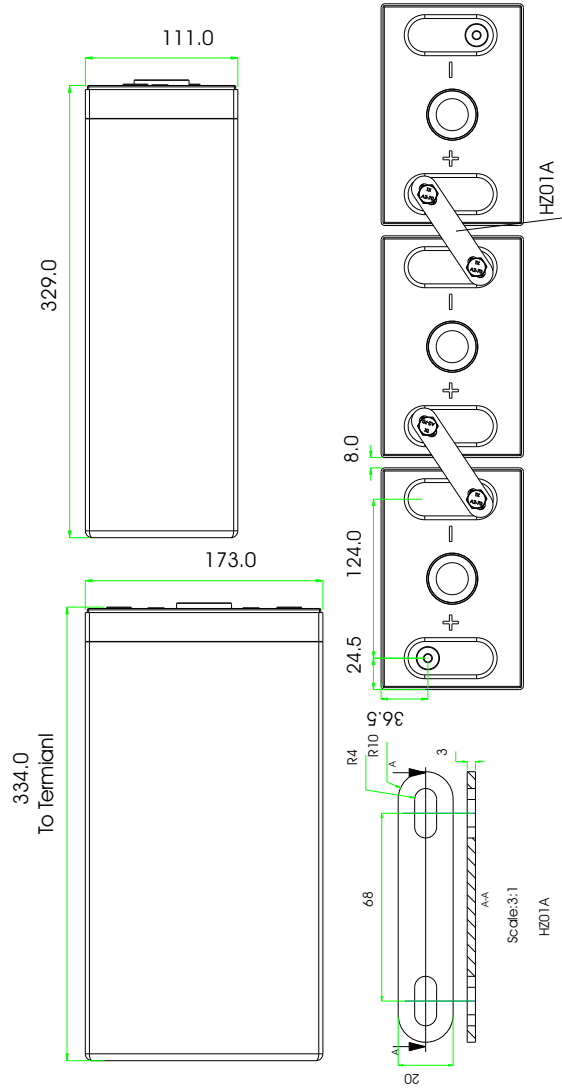
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## Specifications

Nominal Voltage		2V	
Nominal Capacity		200 Ah	C10
Dimensions	Total Height (Inc. terminals)	329 mm	12.95 inches
	Length	173 mm	6.81 inches
	Width	111 mm	4.37 inches
	Weight	13.7 Kg	30.28 lbs

## Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	221.3 Ah
	10 hour rate	212.6 Ah
	5 hour rate	186.2 Ah
	1 hour rate	128.7 Ah
	15 min rate	70.6 Ah
	Internal Resistance	0.8 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)	1600	
Terminal	Standard	18mm Insert M8 thread
	Optional	NA
Charging (Constant Voltage)	Cyclic	2.40 VPC (15-25 °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	10hr	12hr	20hr	24hr
1.85	573	496	415	378	352	325	302	283	265	220	166	135	100	80.9	68.3	59.5	52.7	47.2	39.4	33.4	20.7	17.4
1.80	616	533	447	407	377	350	325	303	281	231	173	141	104	83.7	70.6	61.5	54.5	48.7	40.6	34.6	21.3	17.9
1.75	716	583	491	433	395	367	338	313	289	237	178	145	108	86.3	72.5	62.8	55.6	49.7	41.4	35.3	21.8	18.3
1.70	730	595	511	446	406	375	344	318	294	241	180	147	109	87.8	73.8	63.8	56.5	50.4	42.0	35.8	22.2	18.6
1.65	786	647	550	479	428	387	352	325	300	244	182	148	110	88.7	-	-	-	-	-	-	-	-

## Constant Amps Discharge - Amps @20-25 °C

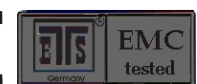
End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10hr	12hr	20hr	24hr
1.85	271	253	227	206	191	175	160	149	138	113	85.3	69.3	50.8	40.7	34.5	29.9	26.6	23.8	19.8	16.8	10.3	8.7
1.80	342	293	244	221	207	188	172	159	148	121	89.1	72.3	53.0	42.3	35.8	31.0	27.5	24.6	20.5	17.4	10.7	9.0
1.75	402	324	277	240	218	196	180	167	154	125	92.7	74.7	54.7	43.6	36.8	31.9	28.3	25.2	20.9	17.8	10.9	9.2
1.70	410	330	283	245	222	204	187	173	159	129	94.9	76.2	55.6	44.4	37.2	32.2	28.6	25.5	21.3	18.1	11.1	9.3
1.65	457	350	303	264	235	211	193	177	163	131	96.3	77.3	56.3	44.9	-	-	-	-	-	-	-	-

## Ampere Hour @20-25 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10hr	12hr	20hr	24hr
1.85	139	152	163	173	180	186	192	198	202	207	209
1.80	145	159	169	179	187	193	198	205	209	214	215
1.75	149	164	175	184	192	198	203	209	214	219	220
1.70	152	167	177	186	194	200	205	213	217	221	224
1.65	155	169	180	-	-	-	-	-	-	-	-



UL Recognised  
Component  
MH28512



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