

HZB2-2500 Valve Regulated Lead Acid battery, 15 year design life for stand by power applications. 2 Volts 2500 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 - 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.

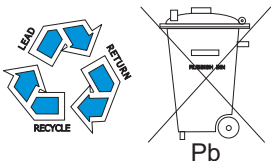


Specifications

Nominal Voltage	2 Volts
Nominal Capacity	2500Ah (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 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 supplied as standard, cables on request.

2V
AGM

Sealed Lead Acid 2 Volt Bloc AGM Range
PRODUCT SHEET HZB2-2500



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

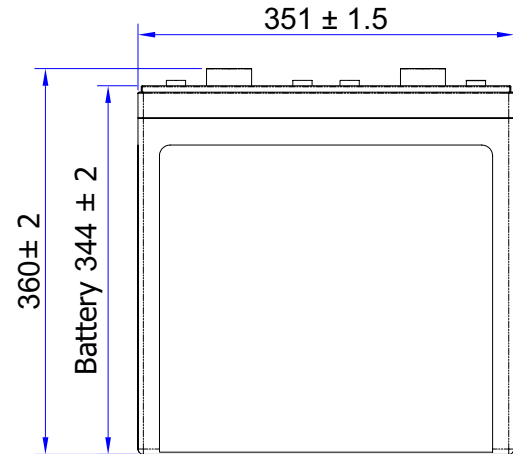
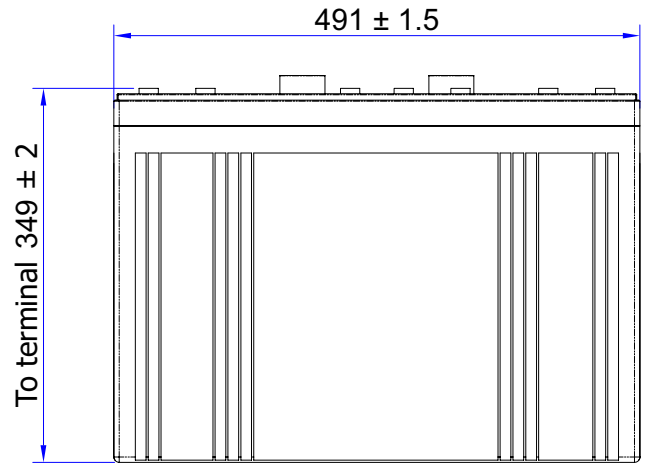
Website: www.hazebattery.com
E mail : sales@hazebattery.com

Specifications

Nominal Voltage		2V	
Nominal Capacity		2500 Ah	C10
Dimensions	Total Height (Inc. terminals)	344 mm	13.54 inches
	Length	491 mm	19.33 inches
	Width	351 mm	13.82 inches
	Weight	144.9 Kg	320.23 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	2827.9 Ah
	10 hour rate	2665.0 Ah
	5 hour rate	2356.0 Ah
	1 hour rate	1617.7Ah
	15 min rate	869.0 Ah
	Internal Resistance	0.11 mOhms
Capacity correction for Temperature Variations (C20)	Impedance	S
	40 °C (104°F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
Self-Discharge 20 °C (68 °F)	-15 °C (5 °F)	65%
	Capacity after 1 months storage	98%
	Capacity after 3 months storage	94%
Short Circuit Current 20 °C (68 °F)	Capacity after 6 months storage	86%
		19850
Terminal	Standard	18mm Insert M8 thread
	Optional	
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	6480	5490	5076	4632	4297	4063	3797	3551	3277	2716	2033	1641	1210	967	815	707	627	565	471	400	251	213
1.80	7686	6246	5582	4981	4621	4369	4096	3809	3524	2869	2132	1745	1290	1034	873	757	674	605	501	425	267	227
1.75	8508	6804	5940	5349	4901	4607	4287	3987	3685	3009	2249	1816	1357	1084	912	792	701	628	521	443	278	236
1.70	9216	7236	6256	5568	5122	4720	4377	4077	3773	3098	2294	1853	1384	1103	928	803	711	640	531	452	283	241
1.65	9216	7372	6444	5704	5218	4786	4437	4127	3836	3150	2339	1890	1407	1123	-	-	-	-	-	-	-	-

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	3480	3095	2760	2520	2345	2164	1995	1854	1716	1418	1059	849	621	493	414	358	320	285	236	200	125	106
1.80	4270	3503	3084	2760	2521	2326	2143	1998	1845	1509	1117	903	662	527	443	383	342	304	251	232	133	114
1.75	4800	3787	3296	2952	2693	2468	2288	2112	1957	1586	1171	947	696	552	463	399	354	315	261	221	139	118
1.70	4800	3800	3476	3091	2784	2540	2348	2165	1996	1618	1195	964	710	564	471	407	360	321	267	226	141	121
1.65	4800	3800	3564	3160	2844	2602	2389	2205	2037	1649	1225	983	722	575	-	-	-	-	-	-	-	-

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	1698	1862	1972	2069	2155	2238	2293	2360	2400	2507	2552
1.80	1806	1985	2108	2215	2306	2392	2445	2511	2780	2664	2726
1.75	1893	2089	2209	2314	2400	2480	2532	2613	2658	2772	2833
1.70	1927	2130	2256	2356	2448	2519	2584	2665	2711	2828	2893
1.65	1965	2166	-	-	-	-	-	-	-	-	-



UL Recognised
Component
MH28512



080416