

HZB12-95FA Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.

Features - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- Compactness
- ETSI / 19" / 23" Integration
- Rackable Standard component
- High power volume ratio
- Maintenance free utilising VRLA technology
- Low Installation costs
- Front Connections and terminal access
- Long Design Life - 12 years
- Rope handles on model 95 and higher
- Central gassing system and hinged front covers on all models
- Integral flame arrestor
- Low Internal resistance
- Recyclable lead and plastics
- Designed to meet BELLCORE, BS6290 P14, IEC896-2 recommendations
- Reasonable Cycling ability
- Low self discharge rates



Specifications

Nominal Voltage	12 Volts
Nominal Capacity	116Ah (C20) 1.75Vpc
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	AGM - 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	Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value is 5-7 Nm
Connectors	Supplied as standard



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 HZB12-95FA

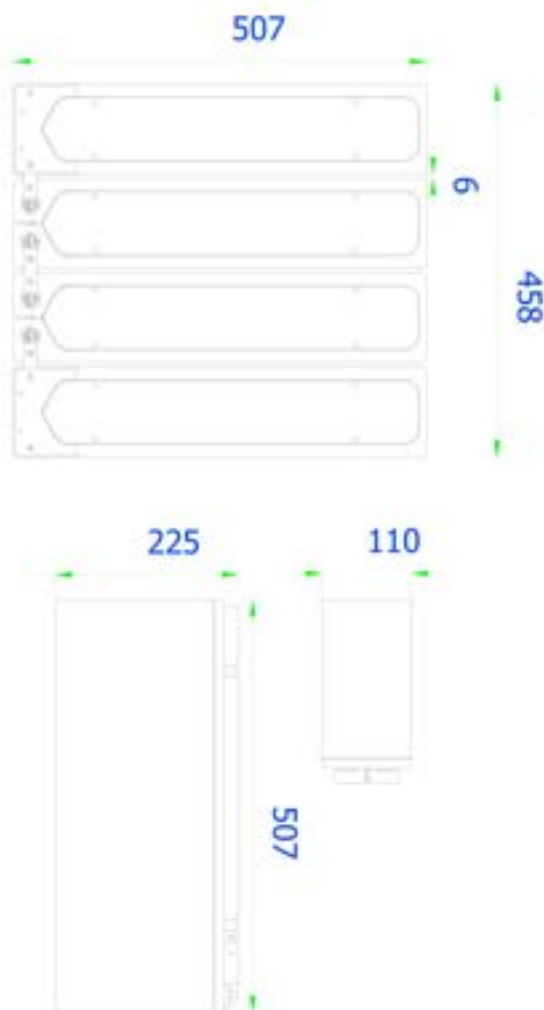
**12V
AGM**

Specifications

Nominal Voltage		12V	
Nominal Capacity		116 Ah	C10
Dimensions	Total Height (Inc. terminals)	227 mm n/a mm	8.94 inches n/a inches
	Length	507 mm	19.96 inches
	Width	109 mm	4.29 inches
	Weight	32.5 Kg	71.83 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.75 volts	20 hour rate	116.0 Ah
	10 hour rate	109.0 Ah
	5 hour rate	102.0 Ah
	1 hour rate	74.3 Ah
	15 min rate	45.3 Ah
	Internal Resistance	4.1 mOhms
Capacity correction for Temperature Variations (C20)	Impedance	5
	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%
Max Charge Current 20 °C (68 °F)	25	
Terminal	Standard	16mm Insert M6 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	426	355	304	259	229	205	185	170	157	125	92.6	73.6	53.0	42.3	35.5	30.5	26.9	24.0	19.8	16.8	10.3	8.68
1.80	455	379	325	277	245	219	197	181	167	134	99.0	78.6	56.7	45.2	37.9	32.6	28.7	25.6	21.1	17.9	11.0	9.27
1.75	484	403	346	295	260	233	210	193	178	142	105	83.6	60.3	48.1	40.3	34.6	30.6	27.2	22.5	19.0	11.8	9.86
1.70	494	412	353	301	266	238	214	197	182	146	108	85.5	61.6	49.2	41.2	35.4	31.2	27.8	23.0	19.5	12.0	10.1
1.65	501	417	358	305	269	241	217	200	184	147	109	86.5	62.4	49.8	-	-	-	-	-	-	-	-
1.60	506	421	361	308	272	244	219	202	186	149	110	87.4	63.0	50.3	-	-	-	-	-	-	-	-

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	248	194	159	137	120	107	96.7	88.8	81.8	65.4	47.3	37.6	27.3	21.6	17.9	15.3	13.4	11.8	9.6	8.1	5.09	4.32
1.80	265	207	170	147	128	115	103	94.8	87.4	69.9	50.6	40.2	29.2	23.1	19.1	16.3	14.3	12.6	10.3	8.7	5.44	4.61
1.75	282	220	181	156	136	122	110	101	93.0	74.3	53.8	42.8	31.0	24.6	20.4	17.3	15.2	13.4	10.9	9.2	5.79	4.91
1.70	288	225	185	160	139	125	112	103	95.0	76.0	55.0	43.7	31.7	25.1	20.8	17.7	15.5	13.7	11.2	9.4	5.91	5.02
1.65	292	228	187	162	141	126	114	104	96.2	76.9	55.7	44.2	32.1	25.4	-	-	-	-	-	-	-	-
1.60	295	230	189	163	142	128	115	105	97.1	77.7	56.2	44.7	32.4	25.7	-	-	-	-	-	-	-	-

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ACCUMULATORI

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UL Recognised
Component
MH28512