

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

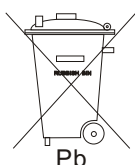
Features - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- Compactness
- ETSI / 19" / 23" Integration
- Modularity
- Rackable Standard component
- Long life
- Use under extreme conditions
- 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 100Ah upwards
- 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 Pt4. IEC896-2 recommendations
- Utilising Gel technology
- Excellent Cycling ability
- Low self discharge rates
- Compression plate absorbs



Specifications

Nominal Voltage	12 Volts
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 Cycliing 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	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.

Website: www.hazebattery.com
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Sealed Lead Acid 12 Volt Bloc AGM Range

PRODUCT SHEET HZB12-95FA

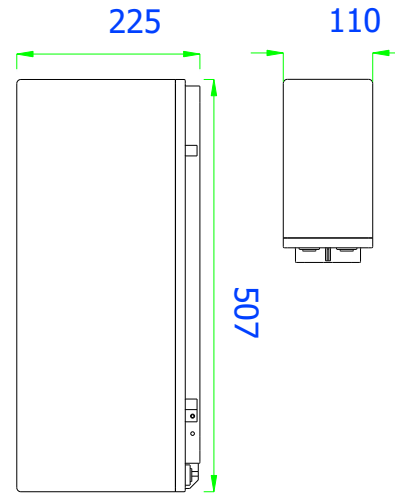
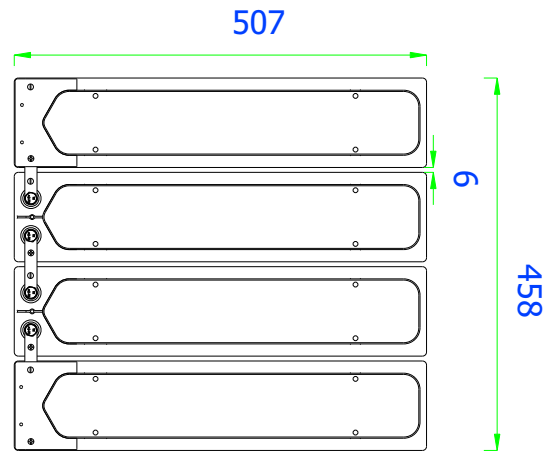
**12V
AGM**

Specifications

Nominal Vdtag		12V	
Nominal Capacity		95 Ah	C10
Dimensions	Total Height (Inc. terminals)	225 mm n/a mm	8.86 inches n/a inches
	Length	505 mm	19.88 inches
	Width	110 mm	4.33 inches
	Weight	30 Kg	66.30 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	116.6 Ah
	10 hour rate	105.4 Ah
	5 hour rate	97.2 Ah
	1 hour rate	78.9 Ah
	15 min rate	52.6 Ah
	Internal Resistance Impedance	3.7 mOhms S
Capacity correction for Temperature Variations (C ₂₀)	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)		
Terminal	Standard	16mm Insert M6 thread
	Optional	
Charging (Constant Voltage)	Cyclic Float	2.40 VPC (15-25 °C) 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	426	361	303	255	223	202	183	166	152	121	84.3	65.8	47.0	37.1
1.80	492	428	362	306	269	245	222	202	185	148	103	81.3	57.9	45.6
1.75	524	445	372	314	275	249	225	204	187	148	103	81.4	58.0	45.7
1.70	558	461	383	321	280	253	228	207	189	149	103	81.6	58.1	45.8
1.65	574	469	386	323	280	253	228	207	189	149	103	80.6	57.4	-
1.60	607	487	395	328	284	255	229	207	189	149	103	80.7	57.4	-

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	229	193	161	136	118	107	96.5	87.2	79.6	63.2	44.0	34.0	24.1	18.9	15.7	10.4	8.57	7.38	4.85
1.80	268	233	196	165	144	131	118	107	97.5	78.1	54.2	41.9	29.6	23.2	19.3	12.6	10.3	8.76	5.50
1.75	289	244	203	170	148	134	120	109	99.1	78.5	54.5	42.0	29.7	23.3	19.4	12.7	10.4	8.90	5.67
1.70	310	255	210	175	152	136	123	111	101	78.9	54.7	42.1	29.8	23.4	19.4	12.8	10.5	9.05	5.83
1.65	321	261	213	177	153	137	123	111	101	79.0	54.7	42.1	29.8	-	-	-	-	-	-
1.60	341	271	218	180	155	138	124	111	101	79.1	54.8	42.2	29.9	-	-	-	-	-	-

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	67.9	72.2	75.7	78.7	83.4	85.7	88.5	97.1
1.80	83.9	88.9	93.0	96.4	101	103	105	110
1.75	84.0	89.1	93.2	96.8	102	104	107	113
1.70	84.2	89.3	93.4	97.2	103	105	109	117
1.65	84.3	89.3	-	-	-	-	-	-
1.60	84.4	89.6	-	-	-	-	-	-



UL Recognised
Component
MH28512

