

HZB12-100FA Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 115 Ah

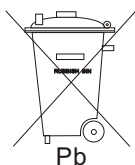
Features - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- 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, IEC 896-2 recommendations
- Utilising Gel technology
- Excellent Cycling ability
- Low self discharge rates
- Compression plate absorbs grid expansion



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 HZB12-100FA

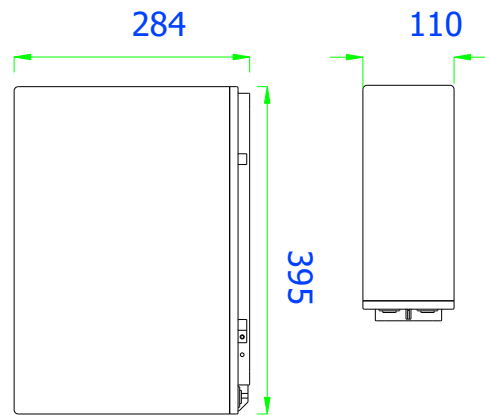
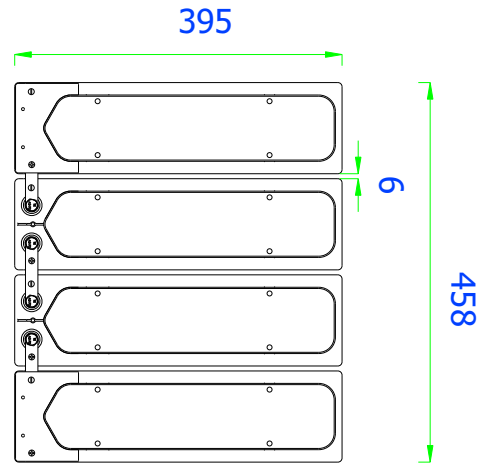
12V
AGM

Specifications

Nominal Voltage		12V	
Nominal Capacity		100 Ah	C10
Dimensions	Total Height (Inc. terminals)	285 mm n/a mm	11.22 inches n/a inches
	Length	395 mm	15.55 inches
	Width	110 mm	4.33 inches
	Weight	32.6 Kg	72.05 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	119.8 Ah
	10 hour rate	115.4 Ah
	5 hour rate	113.6 Ah
	1 hour rate	79.8 Ah
	15 min rate	37.5 Ah
	Internal Resistance	3.6 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%
Max Charge Current 20 °C (68 °F)	30	
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
1.90	-	-	-	-	-	-	-	-	132	113	84.3	69.0	51.0	40.4	33.7	28.9	25.2	22.3	18.2	15.4	9.41	7.92
1.85	360	295	263	239	219	205	191	178	164	131	93.6	75.0	54.3	43.0	35.9	30.7	26.8	23.7	19.4	16.3	10.0	8.43
1.80	385	315	281	255	234	219	204	190	175	140	100	80.1	58.0	45.9	38.3	32.8	28.7	25.3	20.7	17.4	10.7	9.00
1.75	409	335	299	271	249	233	217	202	186	149	106	85.3	61.7	48.8	40.8	34.9	30.5	26.9	22.0	18.6	11.4	9.58
1.70	418	342	305	277	255	238	222	206	190	152	109	87.1	63.0	49.9	41.7	35.7	31.2	27.5	22.5	19.0	11.6	9.79
1.65	424	347	309	281	258	241	225	209	193	154	110	88.2	63.8	50.5	-	-	-	-	-	-	-	-
1.60	428	350	312	284	260	243	227	211	194	155	111	89.1	64.4	51.0	-	-	-	-	-	-	-	-

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
1.90	-	-	-	-	-	-	-	-	66.7	59.1	45.2	36.3	26.4	20.7	17.2	14.6	12.7	11.2	9.19	7.78	4.85	4.09
1.85	209	150	129	118	108	100	93.2	87.8	82.5	68.7	50.2	39.5	28.1	22.1	18.3	15.5	13.6	11.9	9.8	8.28	5.16	4.35
1.80	224	160	138	126	115	107	100	93.8	88.1	73.4	53.6	42.2	30.0	23.6	19.5	16.6	14.5	12.8	10.4	8.84	5.51	4.65
1.75	238	171	147	134	122	114	106	99.7	93.7	78.1	57.0	44.9	31.9	25.1	20.7	17.7	15.4	13.6	11.1	9.41	5.86	4.95
1.70	243	174	150	137	125	116	108	102	95.8	79.8	58.3	45.9	32.6	25.6	21.2	18.1	15.8	13.9	11.4	9.62	5.99	5.06
1.65	246	177	152	139	127	118	110	103	97.0	80.9	59.0	46.4	33.0	25.9	-	-	-	-	-	-	-	-
1.60	249	178	153	141	128	119	111	104	98.0	81.6	59.6	46.9	33.4	26.2	-	-	-	-	-	-	-	-

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	79.0	84.3	88.2	91.3	93.3	94.9	95.5	97.8	99.4	103	105
1.80	84.4	90.0	94.2	97.5	99.7	101	102	104	106	110	112
1.75	89.7	95.8	100	104	106	108	109	111	113	117	119
1.70	91.7	97.9	102	106	108	110	111	114	115	120	121
1.65	92.9	99.1	104	-	-	-	-	-	-	-	-
1.60	93.8	100	105	-	-	-	-	-	-	-	-



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