

HZY12-100FA Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 100 Ah

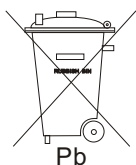
Features - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- Compactness
- ETSI / 19" / 23" Integration
- Modularity
- Rackable Standard component
- Long life
- Use under extreme conditions
- High power volume ratio
- Maintenance free utilising VRLA Gel technology
- Low Installation costs
- Front Connections and terminal access
- Long Design Life - 12 years
- Rope handles on 70Ah 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
- Excellent Cycling ability
- Low self discharge rates



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	Gel - Microporous Duroplastic
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	Gelled 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.

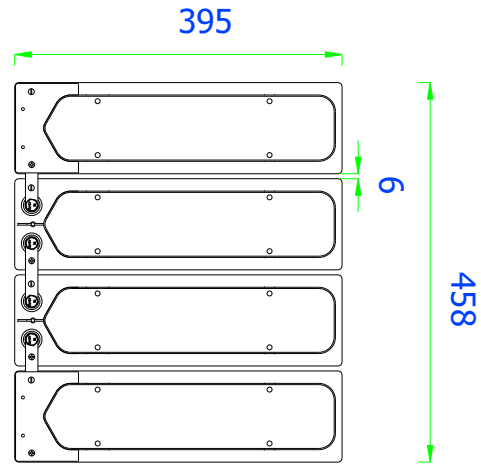
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**12V
AGM**

**Sealed Lead Acid 12 Volt Bloc GEL Range
PRODUCT SHEET HZB12-100FA**

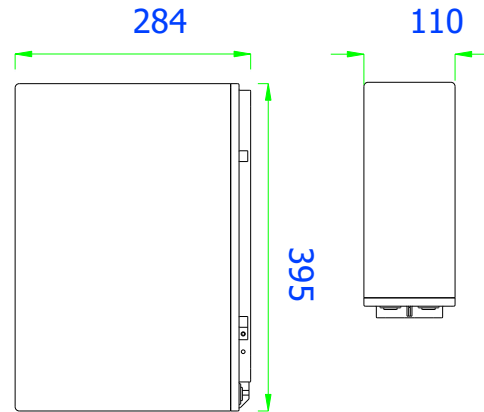
Specifications

Nominal Voltage		12V	
Nominal Capacity		100 Ah	C10
Dimensions	Total Height (Inc. terminals)	285 mm	11.22 inches
	Length	395 mm	15.55 inches
	Width	110 mm	4.33 inches
	Weight	34.52 Kg	76.29 lbs



Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	113.2 Ah
	10 hour rate	103.5 Ah
	5 hour rate	100.5 Ah
	1 hour rate	71.5 Ah
	15 min rate	46.1 Ah
	Internal Resistance	3.2 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%
	Standard	16mm Insert M6 thread
Terminal	Optional	
	Charging (Constant Voltage)	Cyclic
	Float	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	389	315	265	227	203	183	165	150	139	109	76.1	59.6	42.4	33.6
1.80	449	373	317	273	244	222	200	182	169	134	93.3	73.6	52.2	41.3
1.75	479	388	326	279	249	226	203	185	170	134	93.3	73.7	52.3	41.4
1.70	509	402	335	286	254	229	206	187	172	135	93.4	73.9	52.4	41.5
1.65	524	409	338	287	254	229	206	187	172	134	93.3	73.0	51.8	-
1.60	555	424	346	292	258	231	207	187	173	135	93.3	73.0	51.9	-

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	209	169	141	121	108	97.0	87.0	78.8	72.6	57.3	39.7	30.8	21.7	17.1	14.4	9.83	8.17	7.03	4.71
1.80	245	203	171	147	131	118	106	96.5	89.0	70.7	49.0	38.0	26.8	21.1	17.6	11.9	9.79	8.35	5.34
1.75	264	213	178	151	135	121	109	98.3	90.4	71.1	49.2	38.0	26.8	21.1	17.6	12.0	9.92	8.48	5.50
1.70	283	222	184	156	138	124	111	100	91.7	71.5	49.4	38.1	26.9	21.2	17.7	12.1	10.1	8.62	5.66
1.65	293	227	187	157	139	124	111	100	92.0	71.6	49.4	38.2	26.9	-	-	-	-	-	-
1.60	311	237	191	160	141	125	112	101	92.3	71.7	49.5	38.2	27.0	-	-	-	-	-	-

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	61.5	65.2	68.6	71.8	78.6	81.7	84.4	94.2
1.80	76.0	80.3	84.3	87.8	95.1	97.9	100	107
1.75	76.1	80.4	84.5	88.2	95.9	99.2	102	110
1.70	76.2	80.6	84.6	88.5	96.7	101	103	113
1.65	76.3	80.7	-	-	-	-	-	-
1.60	76.4	80.9	-	-	-	-	-	-



UL Recognised
Component
MH28512

