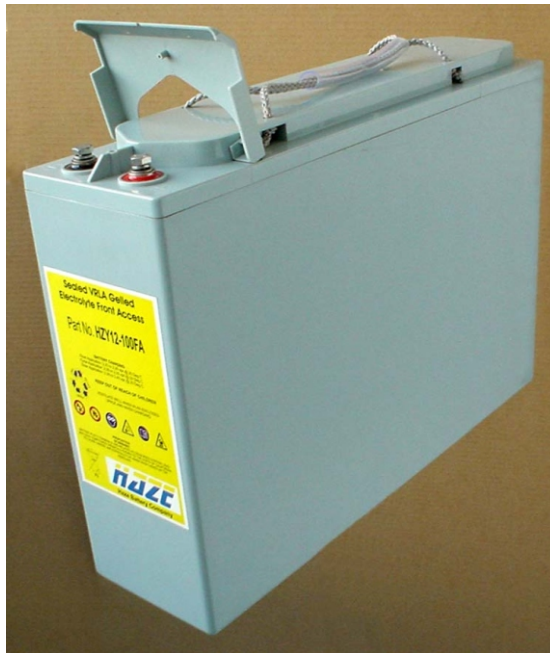


HZY12-100FA Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 100 Ah

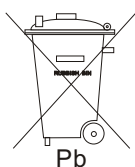
Features - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- 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.

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

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

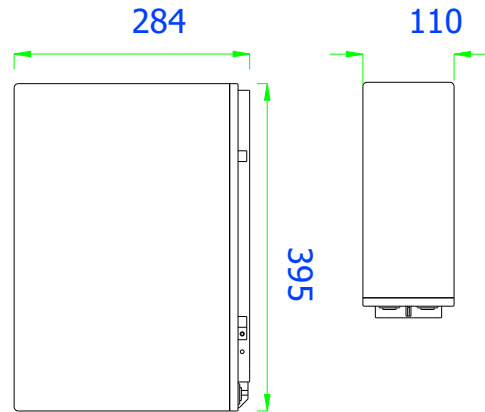
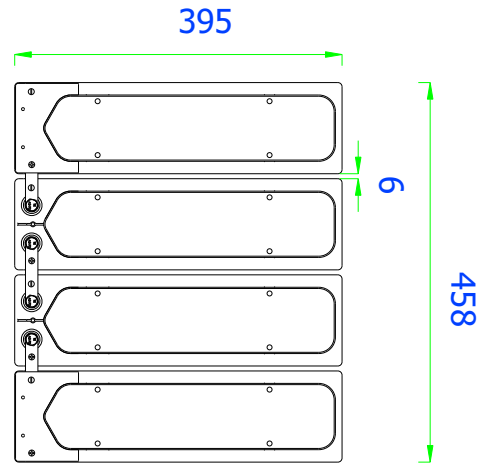
**12V
GEL**

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	33.2 Kg	73.4 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	109.8 Ah
	10 hour rate	100.4 Ah
	5 hour rate	87.9 Ah
	1 hour rate	69.7 Ah
	15 min rate	46.1 Ah
	Internal Resistance	3.4 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%
Short Circuit Current 20 °C (68 °F)		
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	389	315	285	254	227	208	189	173	159	127	89.1	70.0	50.0	39.8	33.3	28.8	25.5	22.7	19.0	16.3	10.5	8.84
1.80	449	373	317	273	242	220	198	180	165	130	91.4	71.6	50.9	40.5	33.9	29.3	25.9	23.1	19.3	16.6	10.7	9.00
1.75	479	388	326	279	247	223	201	184	168	132	92.4	72.1	51.3	40.7	34.0	29.5	26.1	23.3	19.5	16.7	10.7	9.05
1.70	509	402	335	286	253	228	204	186	169	133	92.9	72.7	51.6	40.9	34.2	29.6	26.2	23.4	19.6	16.7	10.8	9.13
1.65	524	409	338	287	254	229	206	187	170	133	93.3	72.9	51.9	41.0	-	-	-	-	-	-	-	-
1.60	555	424	346	292	258	231	207	188	171	134	93.5	73.1	52.0	41.3	-	-	-	-	-	-	-	-

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	209	169	141	127	113	105	96.6	89.6	82.4	65.5	46.4	36.0	25.4	20.1	16.8	14.6	12.9	11.5	9.60	8.22	5.27	4.43
1.80	245	203	170	145	127	114	104	95.3	87.1	68.4	48.0	37.3	26.3	20.7	17.3	15.0	13.2	11.8	9.81	8.38	5.38	4.54
1.75	264	213	178	151	132	118	107	97.3	88.5	69.2	48.5	37.7	26.5	20.9	17.5	15.1	13.4	11.9	10.0	8.48	5.45	4.59
1.70	283	222	184	156	136	121	109	98.5	89.1	69.7	48.7	37.9	26.6	21.0	17.6	15.2	13.4	12.0	10.0	8.55	5.49	4.65
1.65	293	227	187	157	139	123	110	99.3	89.8	70.1	49.0	38.0	26.7	21.1	-	-	-	-	-	-	-	-
1.60	311	237	191	160	141	124	111	99.8	90.3	70.4	49.2	38.2	26.8	21.3	-	-	-	-	-	-	-	-

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	72.0	76.3	80.2	83.9	87.4	90.2	92.0	96.0	98.7	105	106
1.80	74.6	78.8	82.9	86.5	89.7	92.4	94.2	98.1	101	108	109
1.75	75.3	79.6	83.6	87.3	90.6	93.5	95.3	99.5	102	109	110
1.70	75.7	79.9	84.1	87.9	91.2	94.1	96.0	100	103	110	112
1.65	76.1	80.2	84.6	-	-	-	-	-	-	-	-
1.60	76.3	80.5	85.1	-	-	-	-	-	-	-	-

