

HZY12-150FA Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 150 Ah

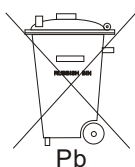
Features - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- 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 See Haze cyclic charging profile 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
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Sealed Lead Acid 12 Volt Bloc GEL Range
PRODUCT SHEET HZB12-150FA

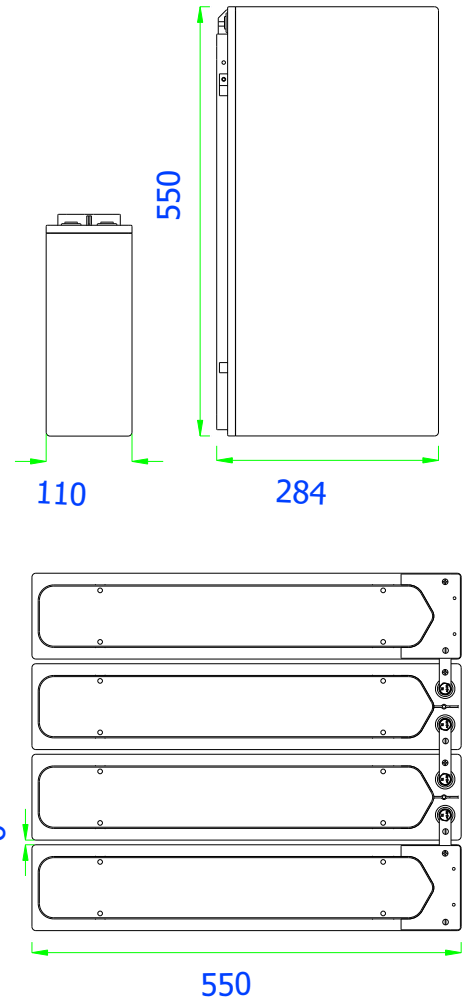
**12V
GEL**

Specifications

Nominal Voltage		12V	
Nominal Capacity		150 Ah	C10
Dimensions	Total Height (Inc. terminals)	288 mm n/a mm	11.34 inches n/a inches
	Length	550 mm	21.65 inches
	Width	109 mm	4.29 inches
	Weight	48 Kg	106.1 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	158.4 Ah
	10 hour rate	152.1 Ah
	5 hour rate	125.7 Ah
	1 hour rate	95.3 Ah
	15 min rate	62.0 Ah
	Internal Resistance	4.3 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	524	428	386	334	297	268	244	226	210	170	122	96.7	70.4	56.4	47.4	41.4	36.9	33.1	27.8	23.8	15.1	12.7
1.80	606	508	426	361	314	282	256	237	219	175	126	99.4	72.3	57.7	48.5	42.2	37.5	33.8	28.5	24.3	15.4	13.0
1.75	646	527	439	370	321	287	261	241	222	177	127	100	72.9	58.1	48.8	42.4	37.8	34.0	28.6	24.5	15.5	13.0
1.70	687	547	451	378	326	292	264	243	223	178	128	101	73.3	58.5	48.9	42.6	37.9	34.2	28.8	24.6	15.5	13.1
1.65	707	556	455	380	331	295	266	245	225	179	128	101	73.8	58.9	-	-	-	-	-	-	-	-
1.60	749	577	466	386	334	297	269	247	226	180	129	102	74.2	59.4	-	-	-	-	-	-	-	-

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	282	229	205	178	156	139	128	118	109.6	89.3	64.1	50.1	35.6	28.3	23.9	20.8	18.7	16.9	14.2	12.1	7.46	6.30
1.80	330	276	231	194	169	149	135	125	115	92.9	66.5	52.0	37.0	29.4	24.7	21.7	19.5	17.6	15.0	12.8	7.80	6.55
1.75	356	289	239	200	173	153	139	128	117	94.3	67.3	52.6	37.5	29.8	25.0	21.9	19.6	17.8	15.1	12.9	7.86	6.60
1.70	382	303	248	207	178	156	141	130	119	95.3	67.7	53.0	37.7	29.9	25.1	22.0	19.7	17.9	15.2	12.9	7.92	6.66
1.65	395	309	251	208	178	157	143	131	120	95.7	68.1	53.2	37.8	30.1	-	-	-	-	-	-	-	-
1.60	420	322	257	212	181	159	144	132	121	96.2	68.3	53.4	37.9	30.2	-	-	-	-	-	-	-	-

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	100	107	113	120	125	131	135	142	145	149	151
1.80	104	111	118	124	130	136	141	150	153	156	157
1.75	105	112	119	125	131	137	142	151	154	157	158
1.70	106	113	120	126	132	138	143	152	155	158	160
1.65	106	113	120	-	-	-	-	-	-	-	-
1.60	107	114	121	-	-	-	-	-	-	-	-

