

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

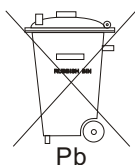
**Features** - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- 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 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](http://www.hazebattery.com)  
E mail : [sales@hazebattery.com](mailto:sales@hazebattery.com)

Sealed Lead Acid 12 Volt Bloc GEL Range  
PRODUCT SHEET HZB12-150FA

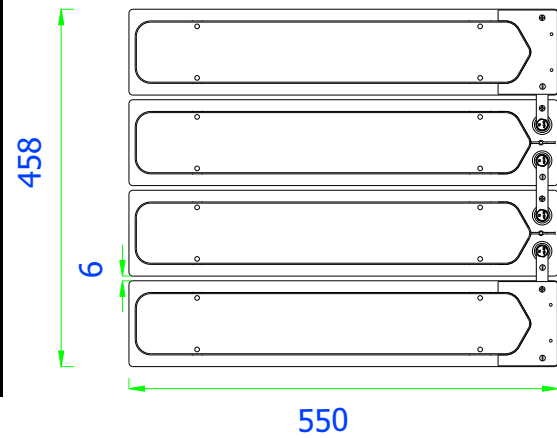
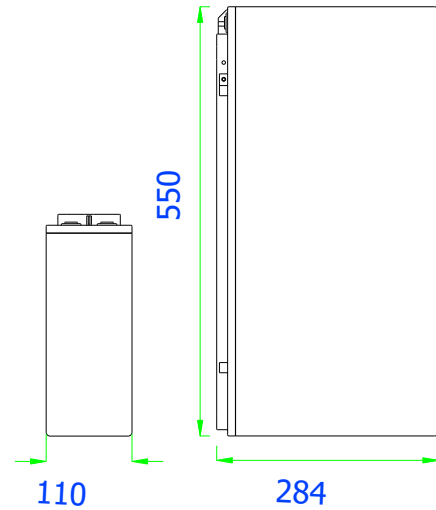
**12V  
AGM**

## Specifications

Nominal Voltage		12V	
Nominal Capacity		150 Ah	C10
Dimensions	Total Height (Inc. terminals)	285 mm	11.22 inches
	Length	550 mm	21.65 inches
	Width	110 mm	4.33 inches
	Weight	47.72 Kg	105.46 lbs

## Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	160.0 Ah
	10 hour rate	151.8 Ah
	5 hour rate	148.3 Ah
	1 hour rate	97.1 Ah
	15 min rate	62.0 Ah
	Internal Resistance Impedance	2.6 mOhms S
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 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	524	428	357	301	261	236	213	197	183	149	105	82.4	59.2	47.4
1.80	606	508	426	361	314	285	258	240	222	182	129	114	73.0	58.3
1.75	646	527	439	370	321	290	263	243	225	183	129	102	73.1	58.4
1.70	687	547	451	378	327	294	266	246	227	183	146	102	73.2	58.5
1.65	707	556	455	380	328	295	266	246	227	183	129	116	82.7	-
1.60	749	577	466	386	332	297	267	247	228	183	129	116	82.7	-

## 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	282	229	190	160	138	125	112	104	95.8	77.8	54.8	42.5	30.4	24.2	20.5	14.2	12.1	10.3	6.66
1.80	330	276	231	194	169	152	137	127	117	96.0	67.6	52.5	37.4	29.7	25.1	17.2	14.4	12.2	7.55
1.75	356	289	239	200	173	156	140	129	119	96.5	67.9	52.6	37.5	29.8	25.2	17.3	14.6	12.4	7.77
1.70	382	303	248	207	178	159	143	132	121	97.1	68.1	52.7	37.5	29.8	25.3	17.5	14.8	12.7	8.00
1.65	395	309	251	208	178	160	143	132	121	97.2	68.2	52.7	37.6	-	-	-	-	-	-
1.60	420	322	257	212	181	161	144	132	122	97.3	68.3	52.8	37.7	-	-	-	-	-	-

## 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	85.0	91.1	96.7	103	114	121	124	133
1.80	105	112	119	125	138	144	147	151
1.75	105	112	119	126	139	146	149	155
1.70	105	113	119	126	140	148	152	160
1.65	105	113	-	-	-	-	-	-
1.60	106	113	-	-	-	-	-	-



UL Recognised  
Component  
MH28512

