

HZB12-150FA Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 150 Ah

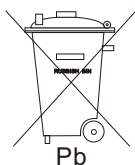
Features - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- Compactness
- ETSI / 19" / 23" Integration
- Modularity
- Rackable Standard component
- Long life
- Use under extreme conditions
- High power volume ratio
- Maintenance free utilising VRLA 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, IEC896-2 recommendations
- Utilising Gel technology
- Excellent Cycling ability
- Low self discharge rates
- Compression plate absorbs



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 HZB12-150FA

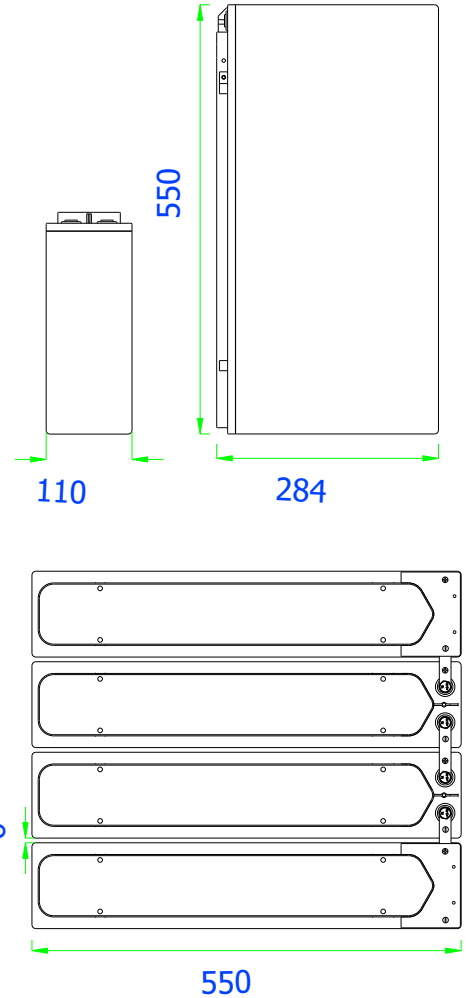
**12V
AGM**

Specifications

Nominal Vdtage		12V	
Nominal Capacity		150 Ah	C10
Dimensions	Total Height (Inc. terminals)	285 mm n/a mm	11.22 inches n/a inches
	Length	550 mm	21.65 inches
	Width	110 mm	4.33 inches
	Weight	47.1 Kg	104.09 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	166.6 Ah
	10 hour rate	159.8 Ah
	5 hour rate	156.1 Ah
	1 hour rate	110.6 Ah
	15 min rate	72.5 Ah
	Internal Resistance Impedance	2.6 mOhms S
Capacity correction for Temperature Variations (C ₂₀)	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 Float	2.40 VPC (15-25 °C) 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	620	504	417	350	303	273	246	227	209	169	119	93.3	66.9	53.3
1.80	716	597	499	420	365	330	298	276	255	208	146	114	82.5	65.5
1.75	763	620	513	430	372	335	303	279	258	208	146	115	82.6	65.6
1.70	812	643	528	440	379	340	307	283	260	208	146	116	82.7	65.8
1.65	835	654	533	442	380	341	307	283	260	208	146	116	82.7	-
1.60	884	679	544	449	385	343	308	283	261	208	146	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	333	270	223	186	161	144	130	119	110	88.6	62.3	48.2	34.3	27.2	22.8	15.3	12.7	10.9	6.94
1.80	390	324	270	226	195	176	158	146	135	109	76.8	59.5	42.3	33.4	27.9	18.5	15.2	12.9	7.86
1.75	421	340	280	233	201	180	162	149	137	110	77.1	59.6	42.3	33.5	28.0	18.7	15.4	13.1	8.10
1.70	452	356	290	240	206	184	165	151	139	111	77.4	59.7	42.4	33.5	28.1	18.8	15.6	13.3	8.33
1.65	467	363	294	242	207	185	165	152	139	111	77.5	59.8	42.5	-	-	-	-	-	-
1.60	496	378	301	247	210	186	166	152	140	111	77.6	59.8	42.5	-	-	-	-	-	-

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	96.3	103	109	114	122	127	130	139
1.80	119	127	134	139	148	152	155	157
1.75	119	127	134	140	149	154	157	162
1.70	119	127	134	141	150	156	160	167
1.65	120	127	-	-	-	-	-	-
1.60	120	128	-	-	-	-	-	-



UL Recognised
Component
MH28512

