

HZB12-80FA Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.  
12 Volts 80 Ah

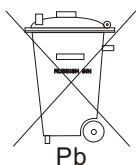
**Features** - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- 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. Reseating 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 AGM Range  
PRODUCT SHEET HZB12-80FA

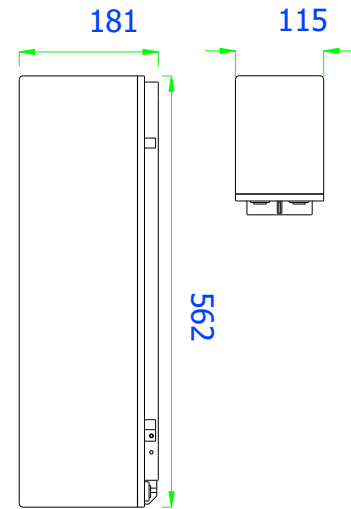
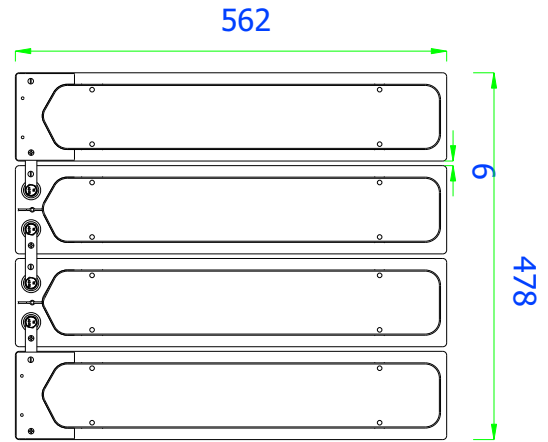
**12V  
AGM**

## Specifications

Nominal Voltage		12V	
Nominal Capacity		80 Ah	C10
Dimensions	Total Height (Inc. terminals)	182 mm n/a mm	7.17 inches n/a inches
	Length	563 mm	22.17 inches
	Width	114 mm	4.49 inches
	Weight	26 Kg	57.46 lbs

## Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	89.1 Ah
	10 hour rate	82.2 Ah
	5 hour rate	75.4 Ah
	1 hour rate	58.9 Ah
	15 min rate	41.1 Ah
	Internal Resistance	4.4 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%
Max Charge Current 20 °C (68 °F)	20	
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	350	281	242	213	189	170	155	142	131	106.0	77.0	60.5	43.1	33.9	27.9	23.8	20.7	18.4	15.2	13.0	8.34	7.09
1.80	404	311	260	225	198	177	160	147	136	109	79.0	62.0	44.1	34.5	28.4	24.3	21.2	18.7	15.5	13.2	8.45	7.17
1.75	431	323	271	232	203	182	164	150	138	111	80.0	62.8	44.5	34.9	28.7	24.4	21.3	18.9	15.6	13.3	8.49	7.21
1.70	458	338	278	236	206	184	166	151	139	112	80.7	63.4	44.8	35.1	28.9	24.6	21.5	19.0	15.7	13.4	8.55	7.28
1.65	472	346	284	240	209	186	167	153	140	113	81.4	63.8	45.2	35.3	-	-	-	-	-	-	-	-
1.60	499	354	289	242	210	187	169	154	141	114	81.8	64.0	45.4	35.5	-	-	-	-	-	-	-	-

## 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	194	157	140	120	105	93.6	83.8	76.5	70.0	56.0	40.3	31.8	22.6	17.7	14.6	12.5	11.0	9.73	8.01	6.82	4.34	3.68
1.80	227	182	152	129	111	98	87.1	79.1	72.1	57.6	41.3	32.5	23.0	18.0	14.9	12.7	11.1	9.84	8.09	6.89	4.39	3.71
1.75	245	193	159	133	114	100	89.1	80.7	73.6	58.4	41.7	32.8	23.2	18.2	15.0	12.8	11.2	9.93	8.18	6.96	4.43	3.76
1.70	263	203	164	137	116	102	90	81.6	74.4	58.9	41.9	32.9	23.4	18.3	15.1	12.9	11.3	9.98	8.22	6.99	4.46	3.79
1.65	272	207	168	139	117	102	91	82.2	75.1	59.2	42.3	33.2	23.5	18.4	-	-	-	-	-	-	-	-
1.60	289	215	172	141	119	103	92	82.7	75.5	59.6	42.5	33.3	23.6	18.4	-	-	-	-	-	-	-	-

## 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	63.6	67.8	70.6	73.1	75.0	76.8	77.8	80.1	81.8	86.9	88.2
1.80	64.9	69.0	71.8	74.3	76.3	77.9	78.7	80.9	82.7	87.8	89
1.75	65.5	69.7	72.6	75.0	77.0	78.6	79.5	81.8	83.5	88.6	90.2
1.70	65.8	70.1	73.1	75.4	77.5	79.0	79.8	82.2	83.9	89.1	90.9
1.65	66.3	70.4	73.4	-	-	-	-	-	-	-	-
1.60	66.6	70.7	73.8	-	-	-	-	-	-	-	-



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