

HZB12-55FA Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.  
12 Volts 60 Ah (C10)

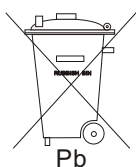
**Features** - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

- 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 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
Nominal capacity	55Ah C10 to 1.8vpc at 20-25 °C
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 Cycling See Haze cyclic charging profile. 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](http://www.hazebattery.com)  
E mail : [sales@hazebattery.com](mailto:sales@hazebattery.com)

Sealed Lead Acid 12 Volt Bloc AGM Range  
PRODUCT SHEET HZB12-55FA

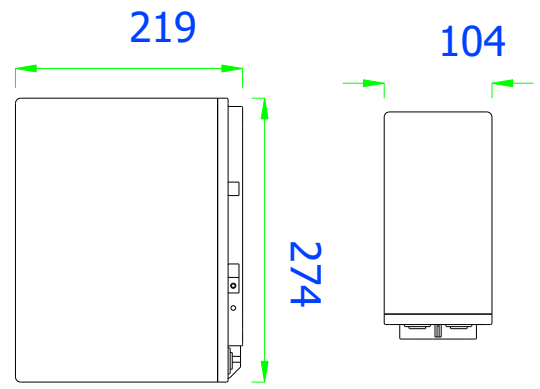
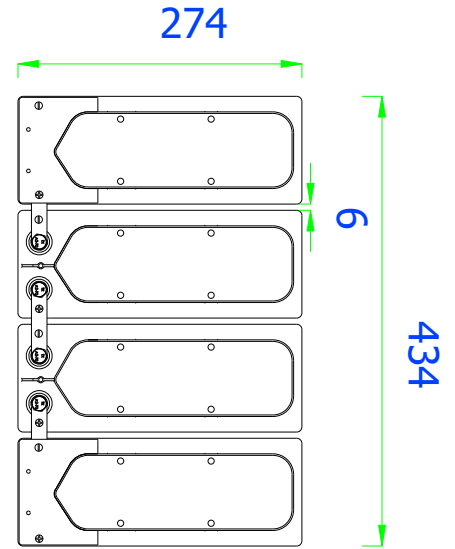
**12V  
AGM**

## Specifications

Nominal Voltage		12V	
Nominal Capacity		55Ah	C10
Dimensions	Total Height (Inc. terminals)	223 mm	8.78 inches
	Length	277 mm	10.91 inches
	Width	105 mm	4.13 inches
	Weight	17.9 Kg	39.56 lbs

## Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	63.9 Ah
	10 hour rate	60.4 Ah
	5 hour rate	54.9 Ah
	1 hour rate	40.4 Ah
	15 min rate	28.9 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%
Max Charge Current 20 °C (68 °F)	15	
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	289	217	177	156	137	123	110	99.5	90.9	72.2	52.0	40.8	28.9	22.6	18.7	16.0	14.0	12.4	10.1	8.59	5.37	4.54
1.80	308	231	190	166	147	131	117	106	97.1	77.1	55.5	43.6	30.8	24.1	20.0	17.0	14.9	13.2	10.8	9.18	5.73	4.85
1.75	328	246	202	177	156	140	125	113	103	82.0	59.1	46.4	32.8	25.7	21.2	18.1	15.9	14.1	11.5	9.77	6.10	5.16
1.70	335	251	206	181	159	143	127	116	106	83.8	60.4	47.4	33.5	26.2	21.7	18.5	16.2	14.4	11.8	9.98	6.24	5.28
1.65	340	255	209	183	161	145	129	117	107	84.9	61.1	48.0	34.0	26.6	-	-	-	-	-	-	-	-
1.60	343	257	211	185	163	146	130	118	108	85.7	61.7	48.5	34.3	26.8	-	-	-	-	-	-	-	-

## 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	214	133	99.5	80.4	67.4	59.1	52.2	47.5	43.5	34.8	25.0	20.0	14.5	11.4	9.46	8.11	7.14	6.32	5.21	4.42	2.75	2.31
1.80	228	142	106	85.8	72.0	63.1	55.8	50.7	46.5	37.1	26.7	21.4	15.5	12.2	10.11	8.67	7.63	6.75	5.56	4.72	2.94	2.47
1.75	243	151	113	91.3	76.6	67.1	59.3	53.9	49.5	39.5	28.4	22.7	16.5	13.0	10.8	9.22	8.12	7.19	5.91	5.02	3.12	2.63
1.70	248	154	116	93.3	78.2	68.6	60.6	55.1	50.6	40.4	29.1	23.2	16.8	13.3	11.0	9.42	8.29	7.34	6.04	5.13	3.19	2.68
1.65	252	156	117	94.5	79.2	69.5	61.4	55.8	51.2	40.9	29.4	23.5	17.1	13.5	-	-	-	-	-	-	-	-
1.60	254	157	118	95.4	80.0	70.2	62.0	56.4	51.7	41.3	29.7	23.7	17.2	13.6	-	-	-	-	-	-	-	-

## 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	40.0	43.5	45.8	47.3	48.7	50.0	50.6	52.1	53.0	55.0	55.4
1.80	42.7	46.5	48.9	50.5	52.0	53.4	54.0	55.6	56.7	58.7	59.2
1.75	45.4	49.5	52.0	53.8	55.3	56.8	57.5	59.1	60.3	62.5	63.0
1.70	46.4	50.5	53.1	54.9	56.5	58.1	58.7	60.4	61.6	63.9	64.4
1.65	47.0	51.2	-	-	-	-	-	-	-	-	-
1.60	47.5	51.7	-	-	-	-	-	-	-	-	-

