

HZB12-30FA Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.  
12 Volts 30 Ah

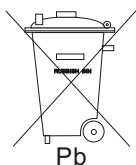
**Features** - Designed to meet the future needs of the Tele-communications industry for - mobile, wired, access, transmission, switching, integrated power applications etc. Resulting in the following benefits to the customer:

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

Sealed Lead Acid 12 Volt Bloc AGM Range  
PRODUCT SHEET HZB12-30FA

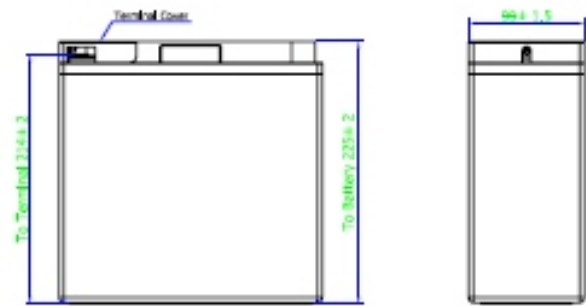
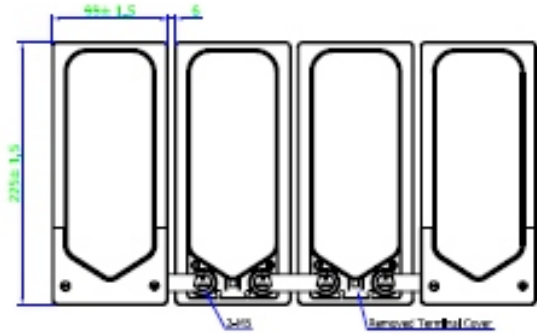
**12V  
AGM**

## Specifications

Nominal Voltage		12V	
Nominal Capacity		30 Ah	C10
Dimensions	Total Height (Inc. terminals)	225 mm	8.86 inches
	Length	225 mm	8.86 inches
	Width	99 mm	3.90 inches
	Weight	10 Kg	22.10 lbs

## Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	34.1 Ah
	10 hour rate	31.8 Ah
	5 hour rate	29.0 Ah
	1 hour rate	21.5 Ah
	15 min rate	15.2 Ah
	Internal Resistance	5 mOhms
Capacity correction for Temperature Variations (C20)	Impedance	S
	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
Self-Discharge 20 °C (68 °F)	-15 °C (5 °F)	65%
	Capacity after 1 months storage	98%
	Capacity after 3 months storage	94%
Max Charge Current 20 °C (68 °F)	Capacity after 6 months storage	86%
	Standard	7.5
	Optional	12mm Insert M5 thread
Terminal	Standard	12mm Insert M5 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	174	108	84	69	60	53	47.0	42.9	39.4	32.0	23.8	19.1	13.7	10.6	8.8	7.5	6.6	5.8	4.84	4.12	2.64	2.24
1.80	186	115	89	74	64	56	50.2	45.9	42.1	34.2	25.4	20.4	14.6	11.4	9.4	8.0	7.0	6.2	5.17	4.40	2.82	2.39
1.75	198	122	95	79	68	60	53.4	48.8	44.8	36.4	27.0	21.8	15.6	12.1	10.0	8.5	7.4	6.6	5.50	4.68	3.00	2.54
1.70	202	125	97	80	70	61	54.6	49.9	45.8	37.2	27.6	22.2	15.9	12.4	10.2	8.7	7.6	6.8	5.62	4.78	3.07	2.60
1.65	205	127	98	82	70	62	55.3	50.5	46.4	37.6	27.9	22.5	16.1	-	-	-	-	-	-	-	-	-
1.60	207	128	99	82	71	63	55.8	51.0	46.8	38.0	28.2	22.7	16.3	-	-	-	-	-	-	-	-	-

## 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	88	63	52.5	43.6	37.2	32.8	28.9	26.0	23.5	18.5	13.2	10.4	7.6	6.02	4.99	4.28	3.77	3.34	2.74	2.34	1.47	1.25
1.80	93	68	56	46.5	39.7	35.1	30.9	27.8	25.1	19.7	14.1	11.1	8.1	6.43	5.33	4.57	4.02	3.57	2.93	2.50	1.57	1.33
1.75	99	72	60	49.5	42.3	37.3	32.8	29.5	26.8	21.0	15.0	11.8	8.5	6.71	5.56	4.77	4.20	3.72	3.05	2.60	1.63	1.39
1.70	102	74	61	50.6	43.2	38.1	33.6	30.2	27.3	21.5	15.3	12.1	8.8	7.00	5.80	4.97	4.38	3.88	3.18	2.71	1.70	1.45
1.65	103	75	62	51.2	43.7	38.6	34.0	30.6	27.7	21.7	15.5	12.2	8.9	-	-	-	-	-	-	-	-	-
1.60	104	75	62	51.7	44.2	39.0	34.3	30.9	28.0	21.9	15.7	12.3	9.0	-	-	-	-	-	-	-	-	-

## 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	20.8	22.7	24.1	25.0	25.7	26.4	26.7	27.4	28.0	29.3	30.0
1.80	22.2	24.2	25.7	26.7	27.4	28.2	28.6	29.3	30.0	31.3	32.0
1.75	23.6	25.5	26.8	27.8	28.6	29.4	29.8	30.5	31.2	32.7	33.4
1.70	24.1	26.3	28.0	29.0	29.8	30.6	31.0	31.8	32.6	34.1	34.8
1.65	24.5	26.7	-	-	-	-	-	-	-	-	-
1.60	24.7	26.9	-	-	-	-	-	-	-	-	-