

HZB12-70J Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 70 Ah

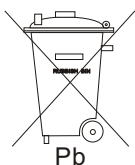
Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Fully tank formed plates
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - V0 on request
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.



Specifications

Nominal Voltage	12 Volts
Nominal Capacity	70Ah (C20 @ 20 °C)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 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	Insert 12mm Dia M5 thread. Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value for all types is 5-7 Nm
Cables	Connectors, cables, terminal covers on request.



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 HZB12-70J

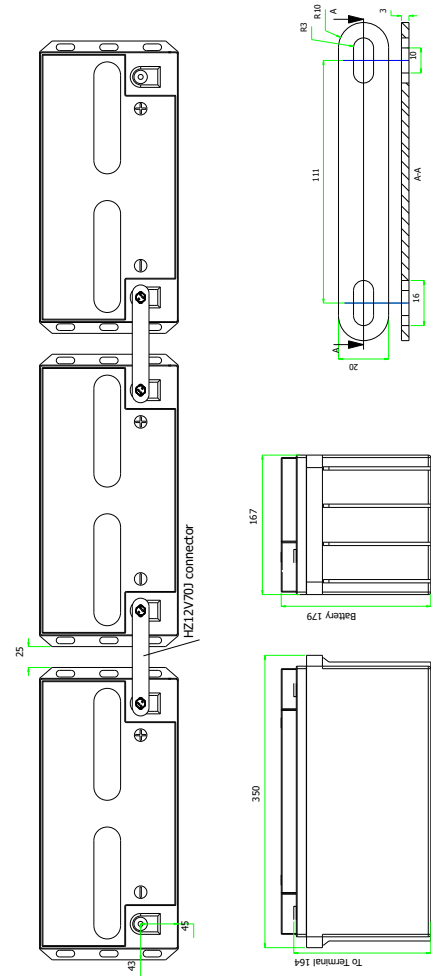
**12V
AGM**

Specifications

Nominal Vdtag		12V	
Nominal Capacity		70 Ah	
Dimensions	Total Height (Inc. terminals)	179 mm	7.05 inches
	Length	350 mm	13.78 inches
	Width	167 mm	6.57 inches
	Weight	22.1 Kg	48.84 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	66.3 Ah
	10 hour rate	58.1 Ah
	5 hour rate	52.4 Ah
	1 hour rate	46.8 Ah
	15 min rate	34.1 Ah
	Internal Resistance	5 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%
Short Circuit Current 20 °C (68 °F)	2100	
Terminal	Standard	Cu Flag
	Optional	Insert M6 - J Type - Auto
Charging (Constart Voltage)	Cyclic	2.35 - 2.40 VPC (20-25 °C)
	Float	2.27 - 2.30 VPC (15-25 °C)



Constant Power Discharge - Watts per Cell @20

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	306	246	205	175	151	135	121	112	104	86.2	60.5	46.1	31.4	24.0
1.80	335	278	225	186	157	139	125	115	108	86.5	60.4	46.4	32.0	24.4
1.75	353	297	240	195	166	145	130	119	110	87.6	61.2	46.6	32.2	24.4
1.70	370	315	248	203	170	149	132	120	111	88.6	61.9	47.2	32.4	24.8
1.65	384	324	257	209	175	150	133	121	112	89.6	62.5	47.7	32.5	-
1.60	402	333	265	212	178	153	136	123	114	90.4	63.2	48.2	32.7	-

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	164	132	109	93.3	80.2	71.2	64.0	58.7	54.4	45.0	31.4	23.8	16.1	12.3	9.98	6.66	5.53	4.72	3.15
1.80	183	151	122	100	84.4	74.5	66.7	60.7	56.9	45.4	31.5	24.1	16.5	12.5	10.2	6.76	5.60	4.82	3.20
1.75	195	163	131	106	89.7	77.6	69.2	63.2	58.3	46.2	32.0	24.3	16.6	12.6	10.3	6.82	5.64	4.87	3.24
1.70	206	174	136	111	92.6	80.6	71.1	64.0	59.0	46.8	32.5	24.6	16.8	12.8	10.5	6.98	5.81	4.99	3.32
1.65	214	180	142	114	95.4	81.3	71.8	64.6	59.6	47.4	32.9	24.9	16.9	-	-	-	-	-	-
1.60	226	186	146	116	97.3	83.1	73.2	66.2	60.8	47.9	33.3	25.2	17.0	-	-	-	-	-	-

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	47.5	48.3	49.0	49.9	53.3	55.3	56.6	62.9
1.80	48.1	49.4	50.0	51.2	54.1	56.0	57.8	64.1
1.75	48.5	49.9	50.3	51.5	54.6	56.4	58.4	64.8
1.70	49.3	50.4	51.2	52.4	55.9	58.1	59.8	66.3
1.65	49.8	50.6	-	-	-	-	-	-
1.60	50.4	51.0	-	-	-	-	-	-



UL Recognised
Component
MH28512

