

**HZB12-135 Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.**

**Innovative Features**

- Completely maintenance free, sealed construction eliminates the need for watering
- Special formation process
- 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	157Ah (C20) 1.75VPC
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 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	Insert 16mm Dia M6 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.

Via Armaroli, 10/12 • 40012 Calderara di Reno (Bo)  
Tel. +39 051.722502 • Fax +39 051.720112  
[infoaccu@accu-italia.com](mailto:infoaccu@accu-italia.com) • [www.accu-italia.com](http://www.accu-italia.com)

**Sealed Lead Acid 12 Volt Bloc AGM Range  
PRODUCT SHEET HZB12-135**

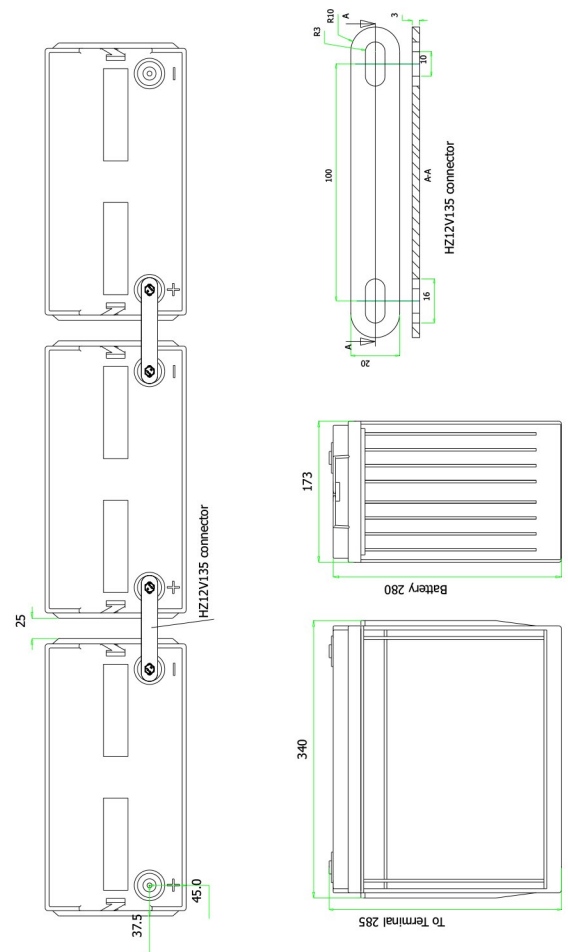
**12V  
AGM**

## Specifications

Nominal Voltage		12V	
Nominal Capacity		157Ah	
Dimensions	Total Height	283 mm	11.14 inches
	(Inc. terminals)	n/a mm	n/a inches
	Length	340 mm	13.39 inches
	Width	173 mm	6.81 inches
	Weight	43.3 Kg	95.69 lbs

## Characteristics

Capacity 20-25 °C (68-77 °F) To 175 volts	20 hour rate	157.0 Ah
	10 hour rate	150.0 Ah
	5 hour rate	139.0 Ah
	1 hour rate	103.0 Ah
	15 min rate	54.0 Ah
	Internal Resistance	3.2 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)	3750	
Terminal	Standard	16mm Insert M6 thread
	Optional	Cu Lead Flag - J Type - Auto
Charging (Constant 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 @ 20-25 °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	10 hr	12 hr	20 hr
1.85	644	475	405	351	315	284	260	241	222	178	129	103	74.6	58.7	49.0	42.0	36.8	32.7	27.1	23.2	15.0
1.80	688	508	432	375	336	304	278	257	237	190	138	110	79.6	62.7	52.3	44.9	39.3	34.9	28.9	24.7	16.0
1.75	732	540	460	399	358	323	296	273	252	202	147	117	84.7	66.7	55.7	47.8	41.8	37.2	30.8	26.3	17.0
1.70	748	552	470	408	365	330	302	279	257	207	150	119	86.6	68.1	56.9	48.8	42.7	38.0	31.4	26.9	17.4
1.67	755	557	474	411	369	333	305	282	260	209	151	120	87.4	68.7	-	-	-	-	-	-	-
1.65	758	559	476	413	370	334	306	283	261	209	152	121	87.7	69.0	-	-	-	-	-	-	-
1.60	765	564	481	417	374	338	309	286	263	211	153	122	88.5	69.7	-	-	-	-	-	-	-

## 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	10 hr	12 hr	20 hr
1.85	364	257	222	190	167	148	133	121	112	90.5	66.5	53.0	37.8	29.7	24.5	20.8	18.2	16.1	13.2	11.1	6.91
1.80	389	275	237	203	178	158	143	129	119	96.6	71.1	56.6	40.4	31.8	26.2	22.2	19.4	17.2	14.1	11.9	7.38
1.75	414	292	252	216	190	168	152	138	127	103	75.6	60.2	43.0	33.8	27.8	23.7	20.6	18.3	15.0	12.7	7.85
1.70	423	299	257	221	194	172	155	141	130	105	77.3	61.5	43.9	34.5	28.5	24.2	21.1	18.7	15.3	12.9	8.02
1.67	427	301	260	222	196	174	156	142	131	106	77.9	62.1	44.3	34.8	-	-	-	-	-	-	-
1.65	428	302	261	223	196	174	157	143	131	106	78.2	62.3	44.5	35.0	-	-	-	-	-	-	-
1.60	433	305	263	226	198	176	158	144	132	107	79.0	62.9	44.9	35.3	-	-	-	-	-	-	-

**ACCU ITALIA® spa**

ACCUMULATORI

Via Armaroli, 10/12 • 40012 Calderara di Reno (Bo)

Tel. +39 051.722502 • Fax +39 051.720112

[infoaccu@accu-italia.com](mailto:infoaccu@accu-italia.com) • [www.accu-italia.com](http://www.accu-italia.com)



UL Recognised  
Component  
MH28512