

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

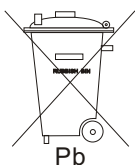
Innovative Features

- 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	135Ah (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
E mail : sales@hazebattery.com

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

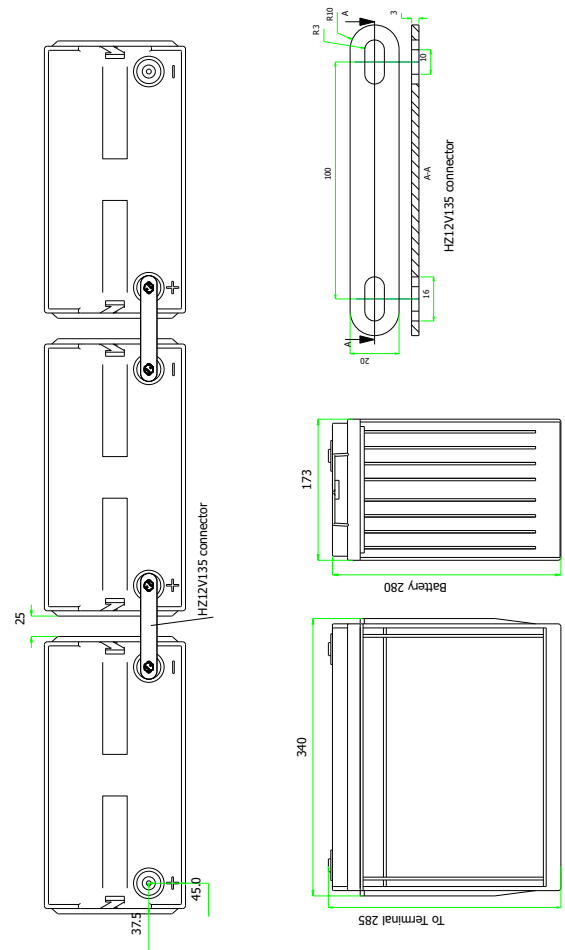
**12V
AGM**

Specifications

Nominal Voltage		12V	
Nominal Capacity		135 Ah	
Dimensions	Total Height (Inc. terminals)	280 mm	11.02 inches
	Length	340 mm	13.39 inches
	Width	173 mm	6.81 inches
	Weight	39.6 Kg	87.52 lbs

Characteristics

Capacity 20 °C (68 °F) 1.7 volts	20 hour rate	132.2 Ah
	10 hour rate	118.5 Ah
	5 hour rate	107.9 Ah
	1 hour rate	95.5 Ah
	15 min rate	54.6 Ah
Internal Resistance		2.73 mOhms
Impedance		S
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	14mm 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 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	478	389	352	318	290	263	242	223	207	168	122	94.7	63.9	48.5
1.80	583	442	381	335	300	272	250	229	213	173	125	96.8	65.9	50.1
1.75	644	464	391	342	305	275	252	233	217	175	126	97.9	66.5	50.2
1.70	675	477	397	349	309	281	256	237	222	181	132	101	68.1	51.7
1.65	702	512	421	364	320	290	265	245	228	185	134	102	68.9	-
1.60	755	534	434	371	325	293	267	247	230	187	136	103	69.6	-

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	257	208	188	169	154	139	127	117	108	87.8	63.0	48.9	32.8	24.7	20.2	13.4	11.1	9.50	6.16
1.80	318	240	206	180	161	145	133	122	112	91.0	65.1	50.2	34.0	25.7	20.8	13.8	11.5	9.79	6.38
1.75	355	254	214	185	165	148	134	124	115	92.4	65.9	51.0	34.4	25.9	21.0	13.9	11.5	9.88	6.42
1.70	376	264	218	191	168	152	138	127	118	96	69.3	52.8	35.3	26.7	21.6	14.3	11.9	10.2	6.61
1.65	392	284	232	199	174	157	143	131	122	98	70.5	53.5	35.8	-	-	-	-	-	-
1.60	424	298	240	203	177	159	144	132	123	99	71.4	54.0	36.2	-	-	-	-	-	-

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	97.7	98.3	98.9	101	107	111	114	123
1.80	100	102	103	104	110	115	118	128
1.75	102	103	103	105	111	115	119	128
1.70	106	106	107	108	114	119	122	132
1.65	107	107	-	-	-	-	-	-
1.60	108	109	-	-	-	-	-	-



UL Recognised
Component
MH28512

