

HZB6-190 Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.  
6 Volts 190 Ah

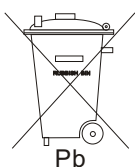
### Innovative Features

- 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	6 Volts
Nominal Capacity	190Ah (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 18mm Dia M8 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/usa](http://www.hazebattery.com/usa)  
E mail : [customerservice@hazebattery.com](mailto:customerservice@hazebattery.com)

**6V**  
**AGM**

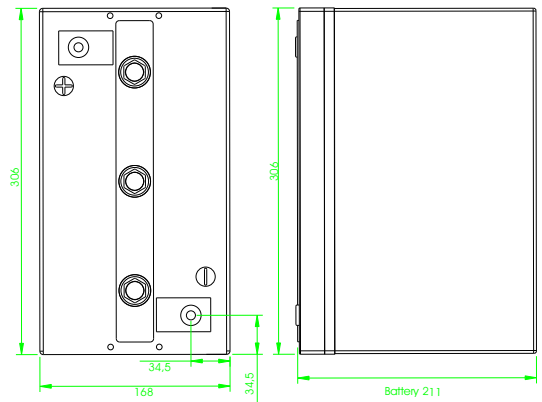
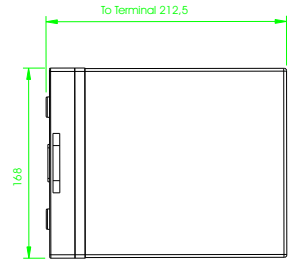
Sealed Lead Acid 12 Volt Bloc AGM Range  
PRODUCT SHEET HZB6-190

## Specifications

Nominal Voltage		6V	
Nominal Capacity		190 Ah	
Dimensions	Total Height (Inc. terminals)	208 mm	8.19 inches
	Length	305 mm	12.01 inches
	Width	168 mm	6.61 inches
	Weight	30 Kg	66.30 lbs

## Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	189.3 Ah
	10 hour rate	168.9 Ah
	5 hour rate	152.6 Ah
	1 hour rate	132.5 Ah
	15 min rate	74.8 Ah
	Internal Resistance	1 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)	5000	
Terminal	Standard	18mm Insert M8 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	575	504	438	389	351	326	302	281	261	218	157	123	87.3	68.4
1.80	711	585	486	435	386	355	329	308	287	243	171	132	91.8	71.6
1.75	765	634	533	470	418	376	346	319	299	249	172	133	92.2	71.8
1.70	785	649	544	484	433	388	351	323	300	251	174	134	93.3	72.1
1.65	806	665	566	499	441	390	353	325	306	255	178	136	93.9	-
1.60	848	683	573	507	448	395	358	331	311	259	181	138	94.4	-

## 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	309	270	234	207	186	172	159	148	137	113	81.3	63.6	44.7	34.9	28.5	19.0	15.8	13.5	8.8
1.80	388	318	263	234	207	190	175	163	151	127	89.2	68.4	47.3	36.7	29.6	19.6	16.3	14.0	9.2
1.75	422	348	291	255	225	202	185	170	158	131	89.9	69.1	47.7	37.0	30.0	19.8	16.4	14.0	9.2
1.70	437	359	299	265	235	210	188	173	160	133	91.5	70.0	48.4	37.2	30.5	20.2	16.9	14.5	9.5
1.65	450	369	312	273	240	211	191	174	163	135	93.5	71.2	48.8	-	-	-	-	-	-
1.60	476	381	317	278	245	214	193	178	166	137	95.4	72.4	49.1	-	-	-	-	-	-

## 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	127	134	139	143	152	158	162	176
1.80	137	142	147	148	157	163	168	183
1.75	138	143	148	150	158	164	168	184
1.70	140	145	149	153	162	169	173	189
1.65	142	146	-	-	-	-	-	-
1.60	145	147	-	-	-	-	-	-



UL Recognised  
Component  
MH28512

