

HZY12-200 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

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

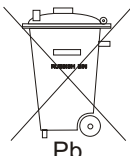
FAA and IATA approved as non-hazardous

Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.



### Specifications

Nominal Voltage	12 Volts
Nominal Capacity	240 Ah (C20 @ 20 °C)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Microporous polymer
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	Gelled 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



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 GEL Range  
PRODUCT SHEET HZY12-200

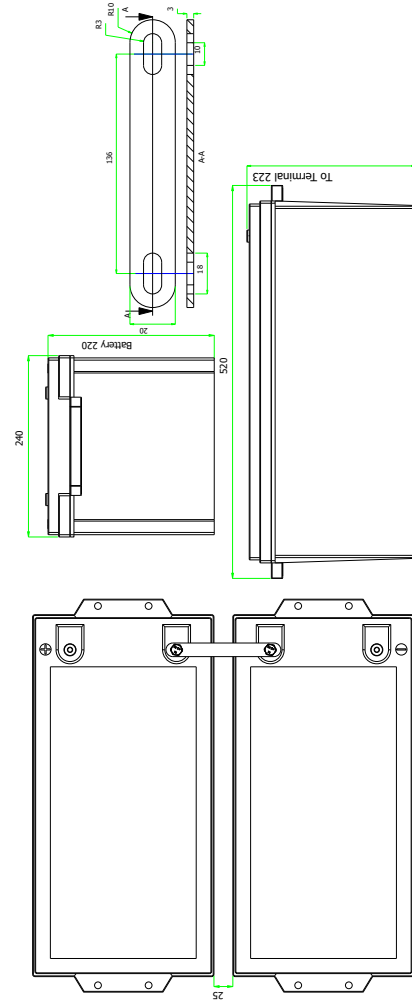
12V  
Gel

## Specifications

Nominal Voltage		12V	
Nominal Capacity		240 Ah	
Dimensions	Total Height (Inc. Terminals)	220 mm n/a mm	8.66 inches n/a inches
	Length	520 mm	20.47 inches
	Width	240 mm	9.45 inches
	Weight	63.3 Kg	139.9 lbs

## Characteristics

Capacity 20 °C (68 °F) To 1.75 volts	20 hour rate	240 Ah
	10 hour rate	223 Ah
	5 hour rate	201 Ah
	3 hour rate	181.8 Ah
	2 hour rate	162.6 Ah
	Internal Resistance	<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)	5400	
Terminal	Standard	18mm Insert M8 thread
	Optional	Cu Flag
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	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	553	461	401	357	324	299	277	259	241	199	145	114	80.7	63.6	-	-	-	-	-
1.80	591	492	429	382	346	320	296	276	258	212	155	122	86.2	68.0	-	-	-	-	-
1.75	629	524	456	406	368	340	315	294	274	226	165	129	91.7	72.3	-	-	-	-	-
1.70	643	535	466	415	376	347	322	300	280	231	169	132	93.7	73.9	-	-	-	-	-
1.65	651	542	472	420	381	352	326	304	284	234	171	134	94.9	74.8	-	-	-	-	-
1.60	657	547	477	424	384	355	329	307	286	236	172	135	95.8	75.6	-	-	-	-	-

## 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	365	296	256	228	206	185	168	153	141	116	87.0	71.5	53.4	42.5	35.4	30.3	19.6	16.7	10.6
1.80	389	316	273	244	220	197	179	163	150	123	92.9	76.4	57.0	45.4	37.8	32.4	20.9	17.9	11.3
1.75	414	336	290	259	234	210	191	174	160	131	98.9	81.3	60.6	48.3	40.2	34.4	22.3	19.0	12.0
1.70	423	344	297	265	239	215	195	178	163	134	101	83.1	62.0	49.4	41.1	35.2	22.8	19.4	12.3
1.65	429	348	301	268	242	217	197	180	165	136	102	84.1	62.8	50.0	-	-	-	-	-
1.60	433	351	304	271	245	219	199	182	167	137	103	85.0	63.4	50.5	-	-	-	-	-

## 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	143.0	160.2	170.0	177.0	189.6	196.0	200.4	212.0
1.80	152.8	171.0	181.6	189.0	203.2	209.0	214.8	226.0
1.75	162.6	181.8	193.2	201.0	216.0	223.0	228.0	240.0
1.70	166.2	186.0	189.6	205.5	220.8	228.0	232.8	246.0

