

HZY12-150 Valve Regulated Lead Acid battery.  
12 year design life for stand by power applications.  
12 Volts 150 Ah (C20)

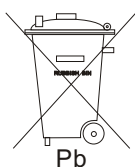
### Innovative Features

- 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	150Ah (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 Cyclic - See Haze cyclic charging profile. 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 HZY12-150

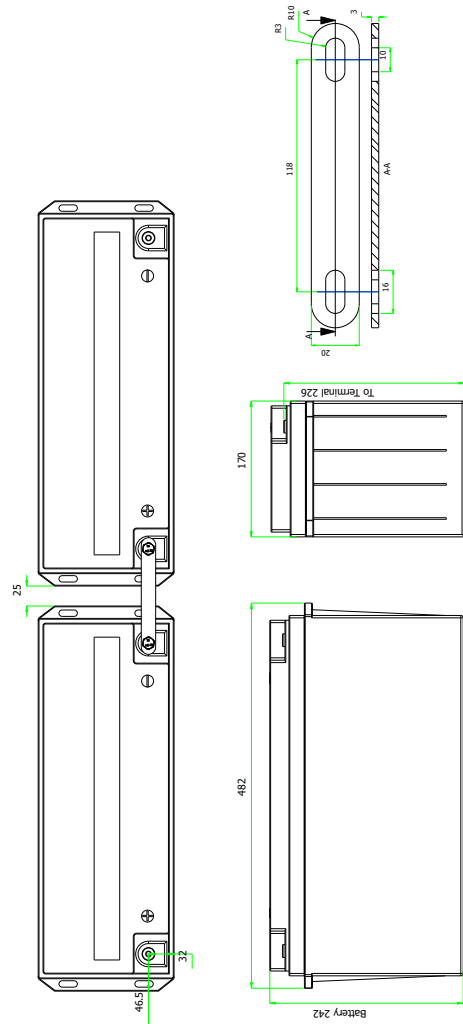
12V  
Gel

## Specifications

Nominal Voltage		12V	
Nominal Capacity		150 Ah	
Dimensions	Total Height (Inc. terminals)	242 mm - mm	9.53 inches n/a inches
	Length	482 mm	18.98 inches
	Width	170 mm	6.69 inches
	Weight	45.00 Kg	99.45 lbs

## Characteristics

Capacity 20-25°C (68-77 °F) To 1.7 volts	20 hour rate	159.0 Ah
	10 hour rate	144.9 Ah
	5 hour rate	130.3 Ah
	1 hour rate	100.0 Ah
	15 min rate	58.1 Ah
	Internal Resistance	3.3 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)	4200	
Terminal	Standard	16mm Insert M6 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 @20-25 °C

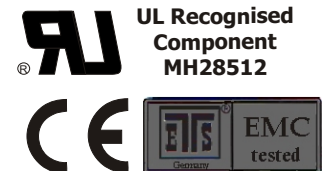
End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	500	382	325	286	258	235	215	197	183	149	108	84.7	58.8	45.7
1.80	534	408	347	306	276	251	229	211	195	159	116	90.5	62.8	48.8
1.75	568	434	369	325	293	267	244	224	208	169	123	96.3	66.8	51.9
1.70	580	444	377	332	300	273	249	229	212	173	126	98.4	68.2	53.1
1.67	585	448	380	335	302	275	251	231	214	174	127	99.2	68.8	53.5
1.65	588	450	382	337	304	276	252	232	215	175	127	99.6	69.1	53.7
1.60	593	454	385	340	306	279	255	234	217	177	129	101	69.8	54.3

## 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	310	236	200	175	158	142	129	117	108	86.1	62.6	49.3	34.8	27.2	22.4	19.2	16.9	15.1	12.4	10.7	6.84
1.80	331	252	214	187	168	152	138	125	115	92.0	66.9	52.6	37.2	29.1	24.0	20.5	18.1	16.1	13.3	11.4	7.31
1.75	353	268	227	199	179	162	147	133	122	97.9	71.1	56.0	39.6	31.0	25.5	21.8	19.2	17.2	14.1	12.1	7.78
1.70	360	274	232	204	183	165	150	136	125	100.0	72.7	57.2	40.4	31.6	26.1	22.3	19.7	17.5	14.4	12.4	7.95
1.67	364	276	234	205	185	167	151	137	126	100.9	73.3	57.7	40.8	31.9	-	-	-	-	-	-	-
1.65	365	277	235	206	185	167	152	138	127	101.3	73.6	57.9	40.9	32.0	-	-	-	-	-	-	-
1.60	369	280	238	208	187	169	154	139	128	102.3	74.3	58.5	41.3	32.3	-	-	-	-	-	-	-

## Ampere Hour @20-25 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	93.9	98.5	104	109	112	115	118	121	125	128
1.80	105	112	116	120	123	127	129	133	137	146
1.75	112	119	124	128	131	135	137	142	146	156
1.70	114	121	127	130	134	138	140	145	149	159
1.67	115	122	128	-	-	-	-	-	-	-
1.65	116	123	128	-	-	-	-	-	-	-
1.60	117	124	129	-	-	-	-	-	-	-



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