

HZY6-110 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	6 Volts
Nominal Capacity	120.4Ah (C20) 1.75Vpc
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 - Se Ahzeecyclic 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.

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Sealed Lead Acid 6 Volt Bloc GEL Range
PRODUCT SHEET HZY6-110

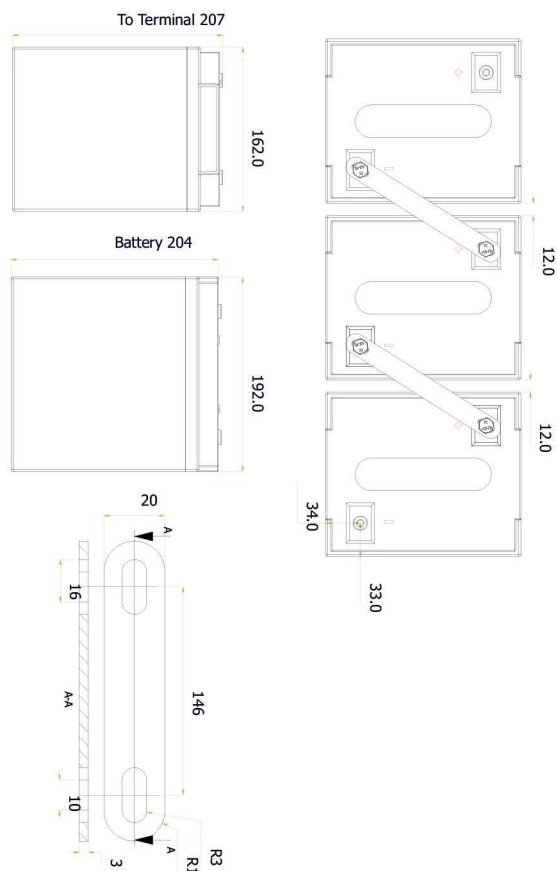
**6V
Gel**

Specifications

Nominal Voltage		6V	
Nominal Capacity		120.4 Ah	
Dimensions	Total Height	205 mm	8.07 inches
	(Inc. terminals)	- mm	n/a inches
	Length	193 mm	7.60 inches
	Width	168 mm	6.61 inches
	Weight	17.90 Kg	39.56 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.75 volts	20 hour rate	120.4 Ah
	10 hour rate	112.0 Ah
	5 hour rate	99.9 Ah
	1 hour rate	72.2 Ah
	15 min rate	48.0 Ah
	Internal Resistance	1.8 mOhms
Capacity correction for Temperature Variations (C20)	Impedance	S
	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
Self-Discharge 20 °C (68 °F)	-15 °C (5 °F)	65%
	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)	3200	
Terminal	Standard	14mm 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	420	314	264	226	198	176	159	145	133	107	77.4	61.4	43.2	33.8
1.80	449	336	282	241	211	188	169	155	142	114	82.7	65.6	46.2	36.1
1.75	478	357	300	257	225	200	180	164	151	121	88.0	69.8	49.1	38.4
1.70	488	365	307	262	230	204	184	168	154	124	89.9	71.3	50.2	39.2
1.67	493	368	310	265	232	206	186	169	156	125	90.7	71.9	50.7	39.6
1.65	494	369	311	266	233	207	186	170	156	125	91.1	72.2	50.9	39.7
1.60	499	373	314	268	235	209	188	172	158	126	92.0	72.9	51.3	40.1

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	274	207	169	144	125	110	97.3	88.0	80.6	63.6	45.8	36.7	26.7	21.2	17.6	15.1	13.3	11.9	9.88	8.44	5.29
1.80	293	221	181	154	133	117	103.9	94.0	86.1	67.9	49.0	39.2	28.5	22.6	18.8	16.2	14.2	12.7	10.6	9.02	5.65
1.75	312	235	192	164	142	125	111	100.0	91.6	72.2	52.1	41.7	30.3	24.1	20.0	17.2	15.1	13.5	11.2	9.59	6.02
1.70	318	240	196	167	145	128	113	102.2	93.6	73.8	53.2	42.6	31.0	24.6	20.4	17.6	15.4	13.8	11.5	9.80	6.15
1.67	321	242	198	169	146	129	114	103.1	94.4	74.5	53.7	43.0	31.3	24.8	-	-	-	-	-	-	-
1.65	322	243	199	170	147	129	114	103.5	94.8	74.8	53.9	43.1	31.4	24.9	-	-	-	-	-	-	-
1.60	326	245	201	171	148	131	116	104.5	95.7	75.5	54.4	43.6	31.7	25.2	-	-	-	-	-	-	-

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ACCUMULATORI

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**UL Recognised
Component
MH28512**