

HZY6-110 Valve Regulated Lead Acid battery.
 12 year design life for stand by power applications.
 6 Volts 110 Ah (C20)

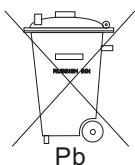
Innovative Features

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

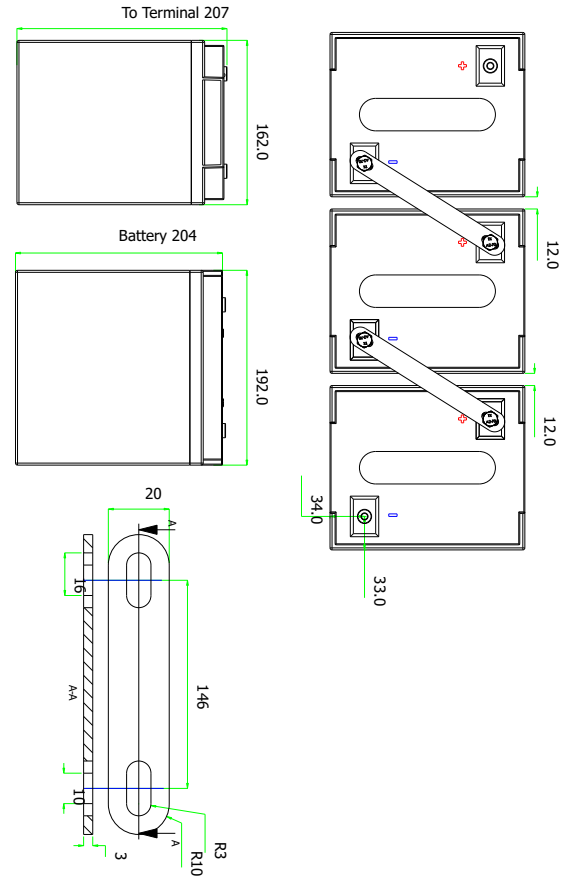
12V
Gel

Specifications

Nominal Voltage		6V	
Nominal Capacity		110 Ah	
Dimensions	Total Height (Inc. terminals)	205 mm	8.07 inches
	Length	193 mm	7.60 inches
	Width	168 mm	6.61 inches
	Weight	16 Kg	35.36 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	106.5 Ah
	10 hour rate	93.5 Ah
	5 hour rate	83.0 Ah
	1 hour rate	64.5 Ah
	15 min rate	44.0 Ah
	Internal Resistance	4 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)	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 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	378	315	266	233	207	189	170	155	142	115	85.7	67.9	47.8	37.1
1.80	468	373	301	254	226	201	179	164	150	120	87.1	69.0	48.5	37.8
1.75	478	395	317	268	233	204	182	166	152	121	87.5	69.4	48.6	37.9
1.70	495	397	320	272	236	206	185	168	153	122	88.9	70.7	49.9	39.0
1.65	521	404	324	274	238	209	186	170	155	123	89.8	-	-	-
1.60	542	416	334	278	240	211	189	172	156	124	91.0	-	-	-

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	203	169	142	124	110	100	89.7	81.7	74.3	59.7	44.4	35.0	24.5	18.9	15.5	10.7	8.72	7.46	4.96
1.80	255	203	163	137	121	107	95	86.7	79.4	63.0	45.4	35.8	25.0	19.4	16.0	10.9	9.03	7.72	5.15
1.75	264	217	173	145	125	110	97	88.5	80.7	63.8	45.8	36.1	25.1	19.5	16.1	11.0	9.08	7.76	5.17
1.70	276	220	176	149	128	111	99	89.7	81.7	64.5	46.6	36.9	25.9	20.1	16.6	11.4	9.35	8.00	5.32
1.65	291	224	179	150	130	113	101	91.1	83.0	65.1	47.2	-	-	-	-	-	-	-	-
1.60	304	232	185	153	131	115	102	92.3	83.6	65.6	47.9	-	-	-	-	-	-	-	-

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	70	73	76	78	85	87	90	99
1.80	72	75	77	80	88	90	93	103
1.75	72	75	78	81	88	91	93	103
1.70	74	78	81	83	91	93	96	106



UL Recognised
Component
MH28512

