

HZY6-12 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

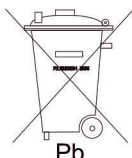
FAA and IATA approved as non-hazardous

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



Specifications

Nominal Voltage	6 Volts
Nominal Capacity	12.0 Ah (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 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.

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Sealed Lead Acid 6 Volt Bloc **GEL Range**
PRODUCT SHEET HZY6-12

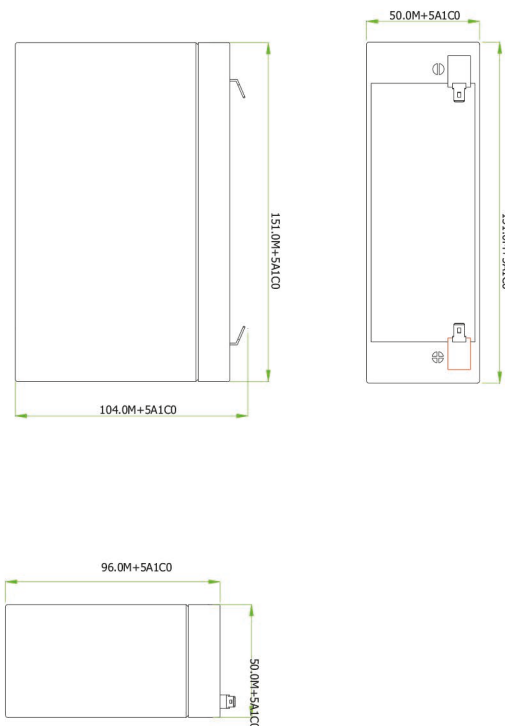
6V
Gel

Specifications

Nominal Voltage		6 V	
Nominal Capacity		12.0 Ah	
Dimensions	Total Height	96 mm	3.80 inches
	(Inc. terminals)	104 mm	4.10 inches
	Length	151 mm	5.94 inches
	Width	50 mm	1.97 inches
	Weight	1.8 Kg	4.00 lbs

Characteristics

Capacity 20 °C (68 °F) to 1.75 volts	20 hour rate	12.0 Ah
	10 hour rate	10.4 Ah
	5 hour rate	9.30 Ah
	1 hour rate	6.94 Ah
	15 min rate	5.67 Ah
	Internal Resistance	10 mOhms
Capacity correction for Temperature Variations (C20)	Impedance	S
	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)	500	
Terminal	Standard	Faston T2 6.3mm 0.25 inches
	Optional	Faston T1 4.8mm 0.20 inches
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	46.5	35.0	29.3	25.7	22.7	20.3	18.5	16.9	15.7	12.9	9.68	7.81	5.62	4.38	-	-	-	-	-
1.80	53.7	37.7	30.8	26.9	23.6	21.2	19.3	17.6	16.3	13.4	10.0	8.07	5.78	4.52	-	-	-	-	-
1.75	57.3	40.0	32.4	27.8	24.4	21.7	19.7	18.0	16.6	13.7	10.2	8.20	5.87	4.60	-	-	-	-	-
1.70	60.9	41.5	33.7	28.6	24.7	22.1	20.0	18.3	16.9	13.8	10.3	8.28	5.96	4.68	-	-	-	-	-
1.65	63.2	42.7	34.3	29.0	25.0	22.3	20.2	18.4	17.0	13.9	10.4	8.35	6.00	4.71	-	-	-	-	-
1.60	66.4	43.6	35.0	29.3	25.3	22.5	20.3	18.6	17.2	14.0	10.5	8.42	6.03	4.74	-	-	-	-	-

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	25.0	18.7	15.7	13.4	11.9	10.6	9.57	8.75	8.03	6.47	4.75	3.78	2.69	2.11	1.75	1.18	0.98	0.84	0.55
1.80	29.3	20.6	16.8	14.3	12.6	11.1	10.0	9.17	8.44	6.77	4.95	3.93	2.80	2.20	1.81	1.22	1.02	0.87	0.57
1.75	31.6	22.1	17.7	15.0	13.0	11.5	10.4	9.44	8.67	6.94	5.08	4.01	2.87	2.25	1.86	1.25	1.04	0.90	0.60
1.70	33.9	23.4	18.6	15.5	13.4	11.8	10.6	9.60	8.80	7.05	5.14	4.06	2.90	2.27	1.88	1.27	1.06	0.92	0.61
1.65	35.1	24.5	19.0	15.9	13.7	12.0	10.8	9.72	8.91	7.15	5.19	4.10	2.93	2.30	-	-	-	-	-
1.60	37.3	25.3	19.6	16.3	13.9	12.2	10.9	9.86	9.01	7.21	5.24	4.13	2.96	2.31	-	-	-	-	-

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ACCUMULATORI

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**UL Recognised
Component
MH28512**