

HZY12-120M Valve Regulated Lead Acid battery.
12 year design life for EXTREME applications.
12 Volts 120 Ah (C₂₀)

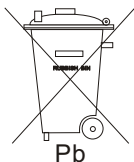
Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- 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	100Ah (C8 @ 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	SAE Automotive. Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value for all types is 5-7 Nm
Cables	Connectors, cables, terminal covers on request.



Haze Battery Company keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.

Website: www.hazebatteryusa.com
E mail : info@hazebattery.com

Sealed Lead Acid 12 Volt Bloc GEL Range
PRODUCT SHEET HZY12-120M

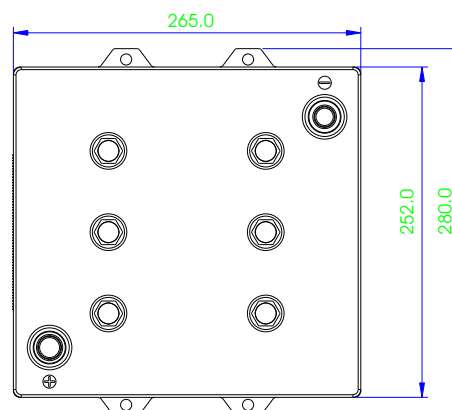
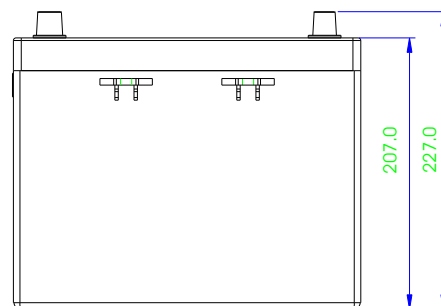
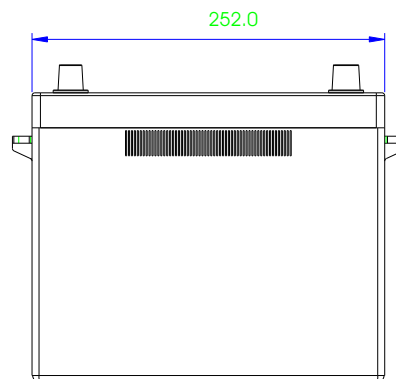
12V
GEL

Specifications

Nominal Voltage		12V	
Nominal Capacity		120 Ah	
Dimensions	Total Height	207 mm	8.15 inches
	(Inc. terminals)	227 mm	n/a inches
	Length	265 mm	10.43 inches
	Width	252 mm	9.92 inches
	Weight	37.6 Kg	83.10 lbs

Characteristics

Capacity 20 °C (68 °F) To 1.75 volts	20 hour rate	117.1 Ah
	10 hour rate	107.1 Ah
	5 hour rate	99.5 Ah
	1 hour rate	77.8 Ah
	15 min rate	51.3 Ah
	Internal Resistance	3.5 mOhms
	Impedance	1450 S
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%
CCA @ -18 °C Amps	610	
MCA @ 0 °C Amps	875	
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 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
1.90	227	179	149	131	116	106	95.3	87.4	80.6	65.1	47.8	37.9	27.0	21.1	17.4	11.4	9.41	7.98	5.09
1.85	269	212	174	149	131	117	106	96.8	88.7	71.0	52.1	41.3	29.4	23.0	18.9	12.4	10.2	8.64	5.52
1.80	302	237	195	164	142	127	114	103	94.5	75.4	54.7	43.2	30.4	23.8	19.5	12.8	10.5	8.96	5.76
1.75	326	252	205	173	149	132	118	107	98.0	77.8	56.2	44.2	31.1	24.2	19.9	13.1	10.7	9.14	5.86
1.70	336	263	211	177	152	134	120	109	99.5	79.0	57.0	45.0	31.6	24.6	20.3	13.3	10.9	9.33	5.98

Ampere Hour @20 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	75.8	80.9	84.3	86.9	91.4	94.1	95.8	102
1.85	82.6	88.1	92.2	94.6	99.5	102	104	110
1.80	86.3	91.2	95.0	97.4	103	105	108	115
1.75	88.3	93.3	96.9	99.5	105	107	110	117
1.70	90.0	94.8	98.4	101.3	107	109	112	120

The Quality & Management system & facility governing the manufacture of this product are ISO 9001:2000 and ISO 14001:2004 certified.

