

TELECOM RANGE



Model No. TEL 90 (12 Volts, 114 Ah at 8 hour Rate to 1.75 vpc)
Valve Regulated Lead Acid Battery for communications
standby power & UPS 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 & Cover Flame Retardant meets UL 94 VO requirements
- ◆ Low self discharge
- ◆ FAA and IATA approved as non-hazardous
- ◆ Designed to comply with Bellcore TR-NWT-000766, Bellcore TR-NWT-000909, ANSI T1.330-1997, Telcordia SR 4228, British Standard BS 6290 Part 4, IEC 896 Part 2, Eurobat, DIN 43534
- ◆ UL Recognized, ISO 9001

Ampere Hour Capacity at 77°F (25°C) to 1.75 vpc

Discharge Time in Hrs	1	2	3	4	5	6	7	8	10
Ampere Hour Capacity	76.6	89.3	97.7	104.0	108.0	110.0	112.0	114.0	116.0

Website: www.hazebattery.com/usa
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AGM Range
Sealed Lead Acid 12 Volt Bloc

Specifications

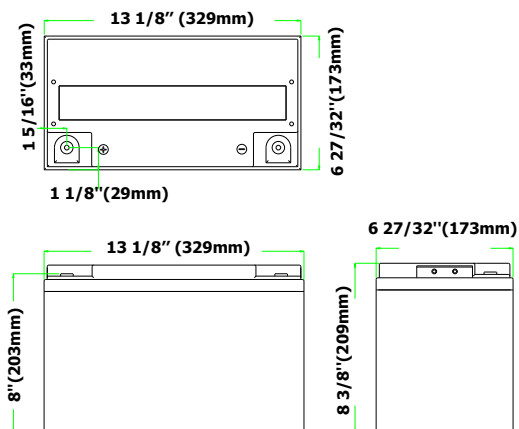
Nominal Voltage		12V	
Nominal Capacity		122.8 Ah	C20
Dimensions	Total Height (Inc terminals)	8.23 inches n/a	209 mm n/a
	Length	12.95 inches	329 mm
	Width	6.81 inches	173 mm
	Weight	72.05 lbs	32.6 Kg



Haze Battery Company Ltd

Characteristics

Capacity 77°F (25°C) to 1.75 vpc	20 hour rate	122.8 Ah
	10 hour rate	116 Ah
	5 hour rate	108 Ah
	2 hour rate	89.3 Ah
	1 hour rate	76.6 Ah
	Internal Resistance	3.2 mOhms
Capacity correction for temperature Variations (C20)	104°F (40°C)	102%
	68°F (20°C)	100%
	32°F (0°C)	85%
	5°F (-15°C)	65%
Self Discharge 77°F (25°C)	Capacity after 1 month storage	98%
	Capacity after 3 months storage	94%
	Capacity after 6 months storage	86%
Short Circuit Current 77°F (25°C)	3000	
Terminal	Standard	16mm Insert M6 thread
Charging (Constant Voltage)	Cyclic	2.35 - 2.40 vpc (59 -77°F)
	Float	2.27 - 2.30 vpc (59 -77°F)



End V per Cell	Ampere Hour at 77°F (25°C)										
	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	67.4	78.6	86.0	91.2	94.6	96.7	98.4	100.0	102.0	105.0	108.0
1.80	72.0	83.9	91.9	97.5	101.0	103.0	105.0	107.0	109.0	112.0	116.0
1.75	76.6	89.3	97.7	104.0	108.0	110.0	112.0	114.0	116.0	119.0	123.0
1.70	78.3	91.2	99.9	106.0	110.0	112.0	114.0	116.0	119.0	121.0	126.0

End V per Cell	Constant Amps Discharge - Amps at 77°F (25°C)										
	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	67.4	39.30	28.70	22.80	18.90	16.10	14.10	12.50	10.20	8.71	5.41
1.80	72.0	42.00	30.60	24.40	20.20	17.20	15.00	13.40	10.90	9.30	5.78
1.75	76.6	44.60	32.60	25.90	21.50	18.30	16.00	14.20	11.60	9.90	6.14
1.70	78.3	45.60	33.30	26.50	22.00	18.70	16.30	14.50	11.90	10.11	6.28

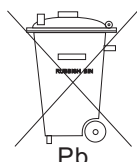
End V per Cell	Constant Power Discharge - Watts/Cell at 77°F (25°C) in Minutes										
	5	10	15	20	25	30	35	40	45	60	90
1.67	840.0	514.0	405.0	341.0	294.0	261.0	236.0	215.0	196.0	157.0	112.0

Specifications

Design Life	12 Years
Operating Temperature	-4 °F to 122 °F
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Charge Voltage	Float 2.27 - 2.30 VPC @77 °F Cycling 2.35 @77 °F Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	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)
Torque setting	The recommended torque value for all types is 44-62 inch-pounds

Terminal Details

Insert are made from brass with copper, nickel and silver plating giving excellent mechanical, electrical and corrosion resistant properties.



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



UL Recognised
Component
MH 20947

