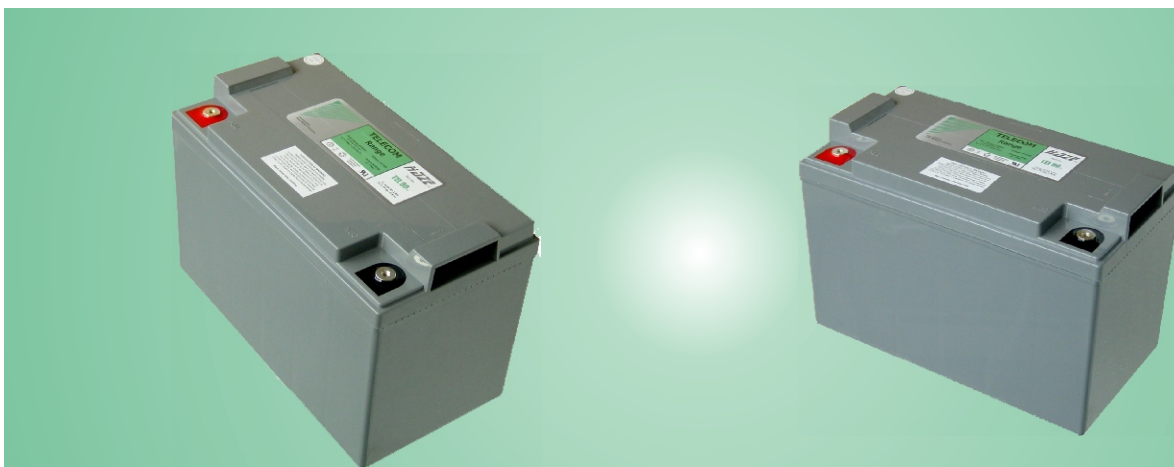


TELECOM RANGE



Haze Battery Company



Model No. TEL 90 (12 Volts, 93.4 Ah at 8 hour Rate to 1.75 vpc)
Valve Regulated Lead Acid Battery for communications
standby 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 & 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	69.0	76.7	80.0	82.7	86.1	88.9	91.4	93.4	97.2

Website: www.hazebattery.com/usa
E mail : customerservice@hazebattery.com
Ph: 952-746-7528 Fax: 952-746-7527



AGM Range

Sealed Lead Acid 12 Volt Bloc

Specifications

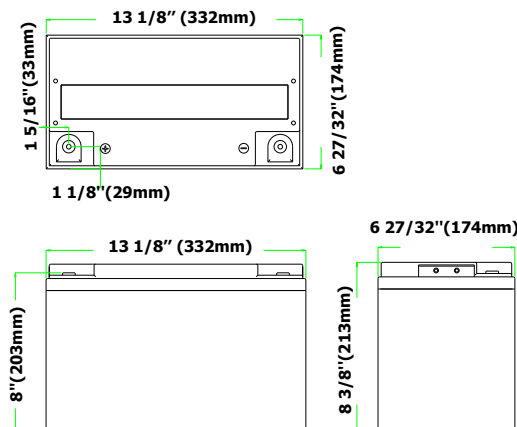
Nominal Voltage		12V	
Nominal Capacity		109 Ah	
Dimensions	Total Height (Inc terminals)	8.39 inches	213 mm
	Length	n/a	n/a
	Width	13.07 inches	332 mm
	Weight	6.85 inches	174 mm
		71.16 lbs	32.2 Kg



Haze Battery Company Ltd

Characteristics

Capacity 77°F (25°C) to 1.75 vpc	20 hour rate	109 Ah
	10 hour rate	97.2 Ah
	5 hour rate	86.1 Ah
	2 hour rate	76.7 Ah
	1 hour rate	69.0 Ah
	Internal Resistance	4 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	14mm Insert M6 thread
Charging (Constant Voltage)	Float	2.27 - 2.30 vpc (59 - 77°F)



End V per

Ampere Hour at 77°F (25°C)

Cell	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	65.5	73.4	76.8	79.0	82.0	89.4	93.1	96.1	104.0
1.80	67.9	75.7	78.6	81.0	84.1	91.5	95.3	98.3	107.0
1.75	69.0	76.7	80.0	82.7	86.1	93.4	97.2	100.4	109.0
1.70	69.8	77.7	81.2	84.2	87.5	94.8	98.7	102.0	112.0

Constant Amps Discharge - Amps at 77°F (25°C)

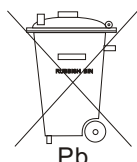
1.80	67.90	37.90	26.20	20.30	16.80	11.40	9.53	8.19	5.35
1.75	69.00	38.40	26.70	20.70	17.20	11.70	9.72	8.37	5.46

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 2.25 - 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



Ver. 06/01/10