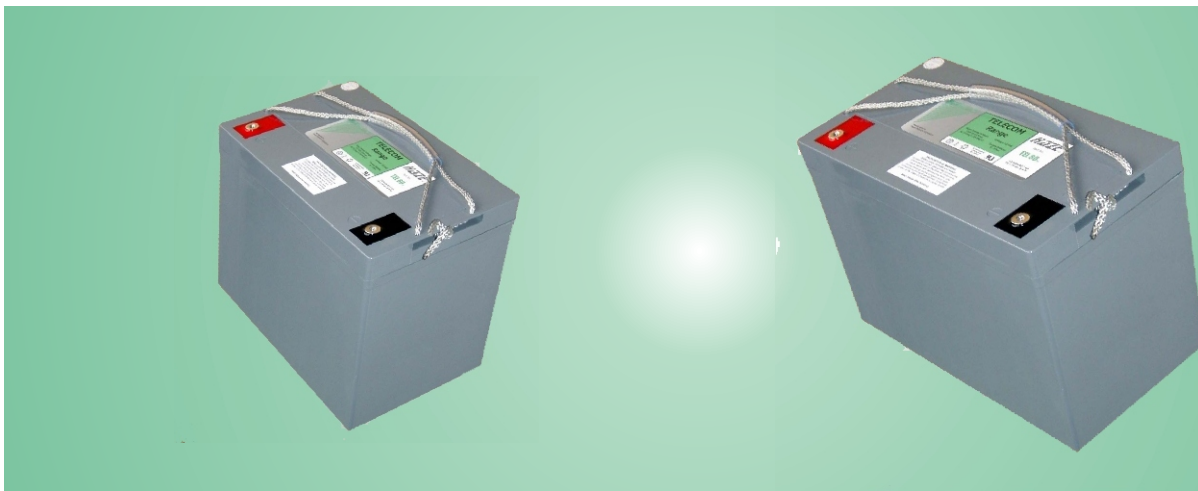


# TELECOM RANGE



Haze Battery Company



**Model No. TEL 80X** (12 Volts, 90.9 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	62.9	69.5	74.0	77.7	81.5	85.4	88.2	90.9	94.9

Website: [www.hazebattery.com/usa](http://www.hazebattery.com/usa)  
E mail : [info@hazebattery.com](mailto:info@hazebattery.com)  
Ph: 952-746-7528 Fax: 952-746-7527



AGM Range

Sealed Lead Acid 12 Volt Bloc

## Specifications

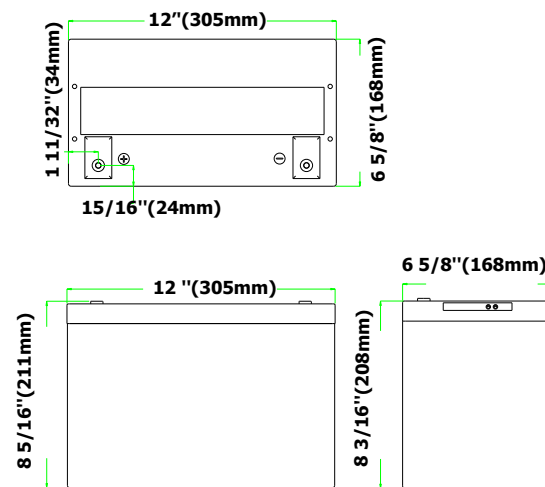
Nominal Voltage		12V	
Nominal Capacity		106 Ah	
Dimensions	Total Height (Inc terminals)	8.19 inches	208 mm
	Length	n/a	n/a
	Width	12.01 inches	305 mm
	Weight	6.61 inches	168 mm
		70.72 lbs	32 Kg



Haze Battery Company Ltd

## Characteristics

Capacity 77°F (25°C) to 1.75 vpc	20 hour rate	106 Ah
	10 hour rate	95 Ah
	5 hour rate	81.5 Ah
	2 hour rate	69.5 Ah
	1 hour rate	62.9 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)	2900	
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	59.7	66.5	71.2	75.1	78.8	87.4	90.8	93.4	100.0
1.80	61.7	68.3	72.7	76.6	80.4	89.5	93.2	95.7	103.0
1.75	62.9	69.5	74.0	77.7	81.5	90.9	94.9	97.9	106.0
1.70	63.8	70.7	75.1	78.9	82.9	92.3	96.5	99.7	108.0

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

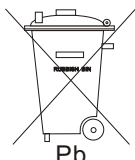
1.85	59.70	33.30	23.70	18.80	15.80	10.90	9.08	7.78	5.01
1.80	61.70	34.20	24.20	19.10	16.10	11.20	9.32	7.98	5.16
1.75	62.90	34.80	24.70	19.40	16.30	11.40	9.49	8.16	5.30

## 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