

# TELECOM RANGE



**Model No. TEL 105F** (12 Volts, 108 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	74.3	85.5	93.1	98.3	102	104	106	108	109

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



AGM Range  
Sealed Lead Acid 12 Volt Bloc

**Specifications**

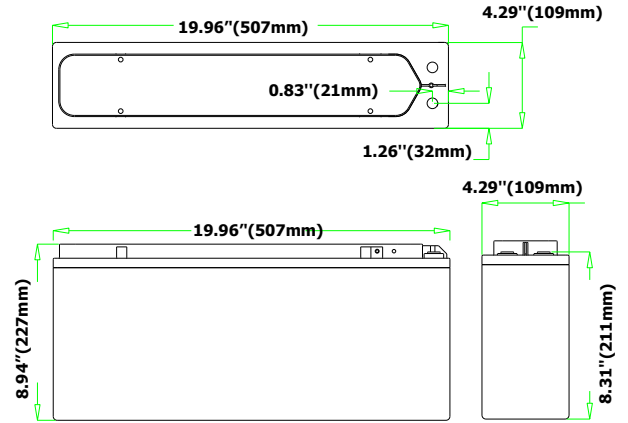
Nominal Voltage		12V	
Nominal Capacity		116 Ah	C20
Dimensions	Total Height (Inc terminals)	8.94 inches	227 mm
	Length	19.96 inches	507 mm
	Width	4.29 inches	109 mm
	Weight	71.7 lbs	32.5 Kg



**Haze Battery Company Ltd**

**Characteristics**

Capacity 77°F (25°C) to 1.75 vpc	20 hour rate	116 Ah
	10 hour rate	109 Ah
	5 hour rate	105 Ah
	2 hour rate	85.5 Ah
	1 hour rate	74.3 Ah
Internal Resistance		4.1 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%
Max Charge Current 68°F (20°C)	25	
Terminal	Standard	16mm Insert M6 thread
Charging (Constant Voltage)	Cyclic	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	24 hr
1.85	65.4	75.2	81.9	86.5	89.5	91.9	93.5	94.6	96.1	97.4	102.0	104.0
1.80	69.9	80.4	87.5	92.4	95.7	98.1	99.8	101.0	103.0	104.0	109.0	111.0
1.75	74.3	85.5	93.1	98.3	102.0	104.0	106.0	108.0	109.0	111.0	116.0	118.0
1.70	76.0	87.4	95.2	100.0	104.0	107.0	109.0	110.0	112.0	113.0	118.0	120.0

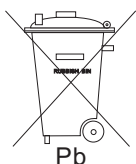
End V per Cell	Constant Amps Discharge - Amps at 77°F (25°C)											
	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.85	65.40	37.60	27.30	21.60	17.90	15.30	13.40	11.80	9.61	8.12	5.09	4.32
1.80	69.90	40.20	29.20	23.10	19.10	16.30	14.30	12.60	10.30	8.67	5.44	4.61
1.75	74.30	42.80	31.00	24.60	20.40	17.30	15.20	13.40	10.90	9.23	5.79	4.91
1.70	76.00	43.70	31.70	25.10	20.80	17.70	15.50	13.70	11.20	9.43	5.91	5.02

**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 Cychling 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

