

# TELECOM RANGE



**Model No. TEL 24** (12 Volts, 23.1 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	17.0	19.2	21.2	21.8	22.3	22.4	22.6	23.1	23.6

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AGM Range  
Sealed Lead Acid 12 Volt Bloc

**Specifications**

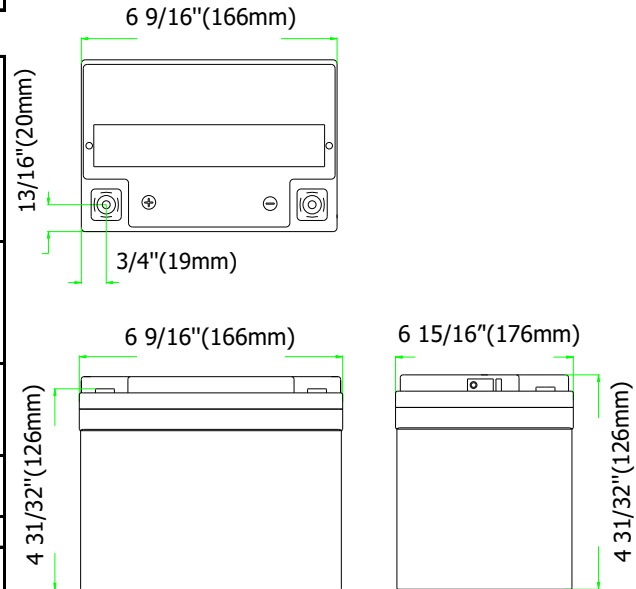
Nominal Voltage		12V	
Nominal Capacity		27 Ah	
Dimensions	Total Height (Inc terminals)	4.96 inches	126 mm
	Length	6.54 inches	166 mm
	Width	6.93 inches	176 mm
	Weight	20.3 lbs	9.2 Kg



**Haze Battery Company Ltd**

**Characteristics**

Capacity 77°F (25°C) to 1.7 vpc	20 hour rate	27.0 Ah
	10 hour rate	24.1 Ah
	5 hour rate	22.9 Ah
	1 hour rate	17.2 Ah
	15 min rate	12.6 Ah
	Internal Resistance	8.5 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)	900	
Terminal	Standard	12mm Insert M5 thread
Charging (Constant Voltage)	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	8 hr	10 hr	12 hr	20 hr	
1.85	16.3	18.8	20.9	21.8	22.4	22.2	22.8	23.4	26.0	
1.80	16.6	19.0	21.1	21.9	22.6	22.9	23.4	23.9	26.7	
1.75	17.0	19.2	21.2	22.0	22.7	23.1	23.6	24.1	26.7	
1.70	17.2	19.4	21.3	22.3	22.9	23.4	24.1	24.5	27.0	

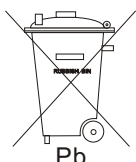
End V per Cell	Constant Amps Discharge - Amps at 77°F (25°C)									
	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr	
1.85	16.30	9.42	6.97	5.30	4.49	2.78	2.28	1.95	1.30	
1.80	16.60	9.51	7.02	5.40	4.51	2.86	2.34	1.99	1.33	
1.75	17.00	9.60	7.06	5.45	4.46	2.89	2.36	2.01	1.33	

**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.

