

TELECOM RANGE



Model No. TEL 25 (12 Volts, 29.1 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	20.3	23.0	24.7	26.1	27.1	27.8	28.5	29.1	29.9

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

Specifications

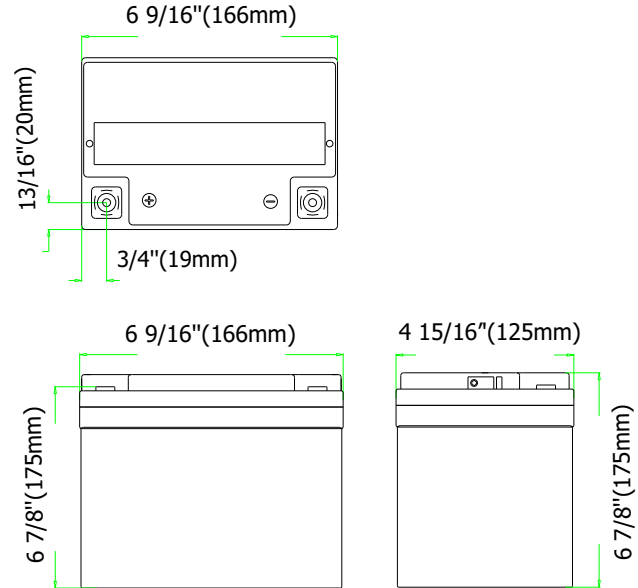
Nominal Voltage		12V	
Nominal Capacity		31.4 Ah	C20
Dimensions	Total Height (Inc terminals)	6.89 inches	175 mm
	Length	n/a	n/a
	Width	6.54 inches	166 mm
	Weight	4.92 inches	125 mm
		19.89 lbs	9 kgs



Haze Battery Company Ltd

Characteristics

Capacity 77°F (25°C) to 1.75 vpc	20 hour rate	31.4 Ah
	10 hour rate	29.9 Ah
	5 hour rate	27.1 Ah
	2 hour rate	23 Ah
	1 hour rate	20.3 Ah
	Internal Resistance	7.75 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)	450	
Terminal	Standard	12mm Insert M5 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	17.9	20.2	21.8	23.0	23.8	24.5	25.1	25.6	26.3	26.7	27.7
1.80	19.1	21.6	23.3	24.5	25.5	26.2	26.8	27.3	28.1	28.6	29.5
1.75	20.3	23.0	24.7	26.1	27.1	27.8	28.5	29.1	29.9	30.4	31.4
1.70	20.7	23.5	25.3	26.7	27.7	28.5	29.1	29.7	30.6	31.1	32.1

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	17.9	10.10	7.26	5.74	4.77	4.08	3.58	3.20	2.63	2.23	1.38
1.80	19.1	10.80	7.75	6.13	5.09	4.36	3.83	3.42	2.81	2.38	1.48
1.75	20.3	11.50	8.25	6.52	5.42	4.64	4.07	3.63	2.99	2.53	1.57
1.70	20.7	11.70	8.43	6.67	5.54	4.74	4.16	3.71	3.06	2.59	1.61

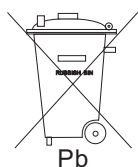
End V per Cell	Constant Power Discharge - Watts/Cell at 77°F (25°C) in Minutes										
	5	10	15	20	25	30	35	40	45	60	90
1.67	272.0	155.0	113.0	90.2	77.6	68.2	61.0	55.4	51.4	41.4	29.6

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

