

TELECOM RANGE



Model No. TEL 60F (12 Volts, 52.4 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	37.7	43.5	46.6	48.4	49.6	50.6	51.5	52.4	53.7

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

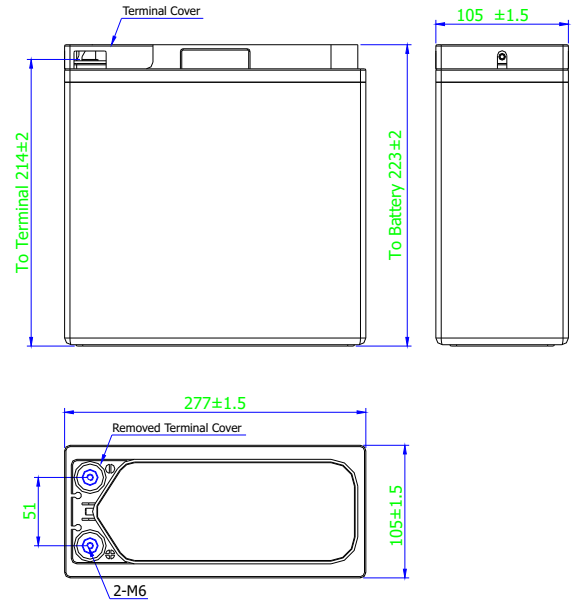
Nominal Voltage		12V	
Nominal Capacity		58.1 Ah	C20
Dimensions	Total Height (Inc terminals)	8.78 inches n/a	223 mm n/a
	Length	10.91 inches	277 mm
	Width	4.13 inches	105 mm
	Weight	40.7 lbs	18.4 Kg



Haze Battery Company Ltd

Characteristics

Capacity 77°F (25°C) to 1.75 vpc	20 hour rate	58.1 Ah
	10 hour rate	53.7 Ah
	5 hour rate	49.6 Ah
	2 hour rate	43.5 Ah
	1 hour rate	37.7 Ah
	Internal Resistance	4.3 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)	15	
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
1.85	36.3	42.0	45.3	47.2	48.4	49.3	50.2	50.9	52.3	53.4	56.3
1.80	37.2	42.8	46.2	47.9	49.1	50.2	51.0	51.8	53.2	54.2	57.1
1.75	37.7	43.5	46.6	48.4	49.6	50.6	51.5	52.4	53.7	54.9	58.1
1.70	37.9	44.0	47.1	48.7	49.9	51.0	51.9	52.8	54.0	55.2	58.5

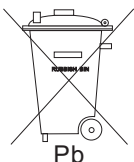
End V per Cell	Constant Amps Discharge - Amps at 77°F (25°C)										
	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	36.30	21.00	15.10	11.80	9.70	8.19	7.17	6.34	5.23	4.45	2.81
1.80	37.20	21.40	15.40	12.00	9.80	8.35	7.29	6.44	5.32	4.52	2.86
1.75	37.70	21.70	15.50	12.10	9.90	8.41	7.36	6.51	5.37	4.58	2.90
1.70	37.90	22.00	15.70	12.20	10.00	8.47	7.42	6.56	5.40	4.60	2.92

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 Recognized
Component
MH 20947

