

TELECOM RANGE



Model No. TEL 100F (12 Volts, 102 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 | 67.2 | 78.7 | 86.9 | 92.6 | 96.2 | 98.5 | 101.0 | 102.0 | 105.0 |

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Sealed Lead Acid 12 Volt Bloc AGM Range

Specifications

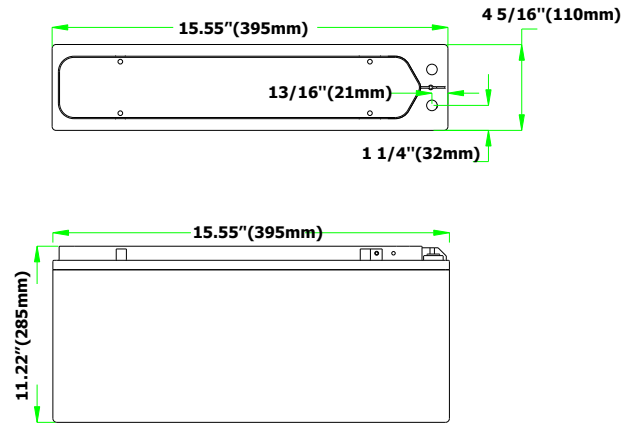
| | | | |
|------------------|---------------------------------|--------------|--------|
| Nominal Voltage | | 12V | |
| Nominal Capacity | | 114 Ah | |
| Dimensions | Total Height (Inc terminals) | 11.22 inches | 284 mm |
| | Length | 15.55 inches | 395 mm |
| | Width | 4.33 inches | 110 mm |
| | Weight | 75.14 lbs | 34 Kg |



Haze Battery Company Ltd

Characteristics

| | | |
|--|---------------------------------|----------------------------|
| Capacity 77°F (25°C) to 1.75 vpc | 20 hour rate | 114 Ah |
| | 10 hour rate | 105 Ah |
| | 5 hour rate | 96.2 Ah |
| | 2 hour rate | 78.7 Ah |
| | 1 hour rate | 67.2 Ah |
| | Internal Resistance | 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% |
| Short Circuit Current 77°F (25°C) | 3300 | |
| Terminal | Standard | 16mm 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 | 63.7 | 75.3 | 83.8 | 89.0 | 92.8 | 98.5 | 101.0 | 103.0 | 111.0 |
| 1.80 | 66.1 | 77.5 | 85.8 | 91.5 | 95.2 | 101.0 | 103.0 | 105.0 | 113.0 |
| 1.75 | 67.2 | 78.7 | 86.9 | 92.6 | 96.2 | 102.0 | 105.0 | 107.0 | 114.0 |
| 1.70 | 68.0 | 79.4 | 87.7 | 93.4 | 97.0 | 103.0 | 106.0 | 108.0 | 115.0 |

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

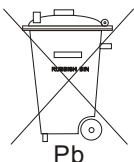
| | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1.85 | 63.70 | 37.70 | 27.90 | 22.30 | 18.60 | 12.30 | 10.10 | 8.59 | 5.54 |
| 1.80 | 66.10 | 38.80 | 28.60 | 22.90 | 19.00 | 12.60 | 10.30 | 8.79 | 5.65 |
| 1.75 | 67.20 | 39.40 | 29.00 | 23.20 | 19.20 | 12.80 | 10.50 | 8.93 | 5.72 |

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 Recognized
Component
MH 20947

