TRUE FRONT ACCESS®

TEL Series Float Service

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Battery</th>
<th>Voltage Per Unit</th>
<th>Ampere Hour Capacity 8 Hour Rate @ 77°F (25°C) to 1.75 v/c</th>
<th>Ampere Hour Capacity 10 Hour Rate @ 68°F (20°C) to 1.80 v/c</th>
<th>Maximum Discharge Current</th>
<th>Short Circuit Current</th>
<th>Ohms Impedance 60 Hz (Ω)</th>
<th>Battery Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEL12-170F/FG</td>
<td>12 V</td>
<td>169 Ah</td>
<td>164 Ah</td>
<td>800 Amperes</td>
<td>4505 Amperes</td>
<td>0.0033 Ohms</td>
<td>119 lbs/54 kg</td>
</tr>
</tbody>
</table>

BENEFITS:

- Long Life Float Service Design
- Confirmed via 3rd party Certification
- Premium alloy and material components
- True Front Access Design
- True direct connect terminal for reliability
- C&D Ohmic Ring® for accurate testing
- Optional True Front Access gas collection system
- Connection versatility
- Maximum Performance
- Superior output due to direct terminal connection
- Low internal resistance
- Compliant to major global specifications
- IEC 60896-21/22
- Telcordia SR-4228
- Eurobat Guide Classification: Long Life
- Bellcore GR-63-CORE & GR-1089-CORE
- UL94 V-0FR
- Non-Hazardous, not restricted for any transportation mode (air, water or land)
**SPECIFICATIONS**

**Ampere Hour Capacity to 1.75 Volts per Cell @77°F (25°C)**

<table>
<thead>
<tr>
<th>Discharge in Hrs.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>20</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEL12-170F/FG</td>
<td>113</td>
<td>129</td>
<td>141</td>
<td>148</td>
<td>155</td>
<td>160</td>
<td>164</td>
<td>169</td>
<td>174</td>
<td>178</td>
<td>186</td>
<td>187</td>
</tr>
</tbody>
</table>

You may also access the product ratings by logging onto the C&D Battery Sizing program at [www.cdstandbypower.net](http://www.cdstandbypower.net).

**Ampere Hour Capacity to 1.80 Volts per Cell @68°F (20°C)**

<table>
<thead>
<tr>
<th>Discharge in Hrs.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>20</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEL12-170F/FG</td>
<td>104</td>
<td>121</td>
<td>131</td>
<td>138</td>
<td>143</td>
<td>148</td>
<td>153</td>
<td>158</td>
<td>164</td>
<td>166</td>
<td>172</td>
<td>175</td>
</tr>
</tbody>
</table>

You may also access the product ratings by logging onto the C&D Battery Sizing program at [www.cdstandbypower.net](http://www.cdstandbypower.net).

**DIMENSIONS**

### Operating Temperature Range with temperature compensation
- Discharge: -40°F (-40°C) to +160°F (71°C)
- Charge: -10°F (-23°C) to +140°F (60°C)

### Nominal Operating Temperature Range
+68°F (20°C) to +80°F (27°C)

### Recommended Maximum Charging Current Limit
$C_{20}/5$ Amperes (37.2A)

### Float Charging Voltage
13.5 to 13.8 VDC average per 12V unit

### Maximum AC Ripple (Charger)
0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Max voltage allowed = 1.4% RMS (4% P-P) Max current allowed = $C_{20}/20$

### Self Discharge
Battery can be stored up to 6 months at 77°F (25°C) before a freshening charge is required. Batteries stored at temperatures greater than 77°F (25°C) will require recharge sooner than batteries stored at lower temperatures. See C&D bulletin 41-7272, Self-Discharge and Inventory Control for details.

### Equalize charge and cycle service voltage
14.40 to 14.80 VDC average per 12V unit @ 77°F (25°C)

### Terminal: Inserted - Inter-unit connector provided
Threaded copper alloy insert terminal to accept M8 bolt

### Terminal Hardware Initial Torque:
160 in.-lbs. (18 N-m)

### Telcordia Part Numbers

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Battery Part Number</th>
<th>CLEI Code</th>
<th>CPR</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEL12-170F/FG</td>
<td>Pending</td>
<td>Pending</td>
<td></td>
</tr>
</tbody>
</table>

* All dimensions in inches and (millimeters). All dimensions are for reference only. Contact a C&D Representative for complete dimensional information.