CD 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)</th>
<th>Ampere Hour Capacity 10 Hour Rate @ 68°F (20°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>TEL12-210F/FG</td>
<td>12 V</td>
<td>202 Ah</td>
<td>199 Ah</td>
<td>800 Amperes</td>
<td>4500 Amperes</td>
<td>0.0040 Ohms</td>
<td>132 lbs/60 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 (models contain “G” suffix)
- 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)

**Typical Wireline Application**

**Typical Wireless Application**

TEL12-210F
TEL12-210FG with TFA gas collection system

**Battery Voltage Per Unit**

- 12-1074/0512/CD

www.cdtechno.com
### SPECIFICATIONS

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

<table>
<thead>
<tr>
<th>Model</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>TEL12-210F/FG</td>
<td>138</td>
<td>165</td>
<td>170</td>
<td>176</td>
<td>190</td>
<td>194</td>
<td>199</td>
<td>202</td>
<td>209</td>
<td>214</td>
<td>230</td>
<td>235</td>
</tr>
</tbody>
</table>

**Discharge in Hours**

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

<table>
<thead>
<tr>
<th>Model</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>TEL12-210F/FG</td>
<td>126</td>
<td>153</td>
<td>153</td>
<td>158</td>
<td>175</td>
<td>179</td>
<td>183</td>
<td>186</td>
<td>192</td>
<td>198</td>
<td>212</td>
<td>218</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.3</td>
<td>516</td>
<td>21.5</td>
<td>546</td>
<td>22.0</td>
<td>599</td>
<td>20.1</td>
<td>512</td>
</tr>
<tr>
<td>12.2</td>
<td>310</td>
<td>12.8</td>
<td>326</td>
<td>4.9</td>
<td>126</td>
<td>4.8</td>
<td>123</td>
</tr>
</tbody>
</table>

### 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

\[ C_{20}/5 \text{ Amperes (46 A)} \]

### 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 AC ripple voltage allowed = 1.4% RMS (4% P-P) Max AC ripple current allowed = 11.5 amperes RMS (C20/20)

### 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 and hardware provided

Threaded copper alloy insert terminal to accept M8 bolt

### Terminal Hardware Torque:

160 in.-lbs. (18 N-m)

### Telcordia Part Numbers

<table>
<thead>
<tr>
<th>Battery Part Number</th>
<th>CLEI Code</th>
<th>CPR</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEL12-210F/FG</td>
<td>Pending</td>
<td>Pending</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.*