**CDTRUE FRONT ACCESS®**

**TEL Series Float Service**

**BENEFITS:**

- Long Life Float Service Design
- Confirmed via 3rd party Certification
- Premium alloy and material components
- True Front Access Design
- True Front Access gas collection system (optional)
- True direct connect terminal for reliability
- C&D Ohmic Ring® for accurate testing
- Ideal fit for 19” Relay Racks
- 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 and Venting Operation
- Non-Hazardous, not restricted for any transportation mode (air, water or land)

**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 vic</th>
<th>Ampere Hour Capacity 10 Hour Rate @ 68°F (20°C) to 1.80 vic</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>TEL12-115FN/FNG</td>
<td>12 V</td>
<td>108 Ah</td>
<td>102 Ah</td>
<td>800 Amperes</td>
<td>4000 Amperes</td>
<td>0.0030 Ohms</td>
<td>73 lbs/33 kg</td>
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</tbody>
</table>
**SPECIFICATIONS**

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

<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>
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</thead>
<tbody>
<tr>
<td>TEL12-115FN/FNG</td>
<td>71</td>
<td>82</td>
<td>89</td>
<td>95</td>
<td>100</td>
<td>103</td>
<td>105</td>
<td>105</td>
<td>108</td>
<td>110</td>
<td>113</td>
<td>120</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) or [www.cdbatterysizing.com](http://www.cdbatterysizing.com).

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

<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>TEL12-115FN/FNG</td>
<td>66</td>
<td>76</td>
<td>83</td>
<td>88</td>
<td>92</td>
<td>95</td>
<td>97</td>
<td>99</td>
<td>102</td>
<td>105</td>
<td>112</td>
<td>114</td>
</tr>
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**DIMENSIONS**

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<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>18.5</td>
<td>19.5</td>
<td>20.1</td>
<td>511</td>
<td>18.4</td>
<td>466</td>
<td>8.5</td>
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<tr>
<td></td>
<td>496</td>
<td>496</td>
<td>511</td>
<td>18.4</td>
<td>466</td>
<td>8.5</td>
<td>216</td>
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<tr>
<td>TEL12-115FN</td>
<td>1.6</td>
<td>1.07</td>
<td>4.3</td>
<td>110</td>
<td>4.2</td>
<td>107</td>
<td></td>
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<tr>
<td>TEL12-115FNG</td>
<td>1.6</td>
<td>1.07</td>
<td>4.3</td>
<td>110</td>
<td>4.2</td>
<td>107</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.*

**OPERATING TEMPERATURE RANGE**

Discharge: -40°F (-40°C) to +160°F (71°C)  
Charge: -10°F (-23°C) to +140°F (60°C)

**RECOMMENDED MAXIMUM CHARGING LIMIT**

C20 /5 Amperees (24.0 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 = (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 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 M6 bolt

**TERMINAL HARDWARE TORQUE**

110 in.-lbs. (12.4 N-m)

**TELCORDIA PART NUMBERS**

<table>
<thead>
<tr>
<th>Battery Part Number</th>
<th>CLEI Code</th>
<th>CPR</th>
</tr>
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<tbody>
<tr>
<td>TEL12-115FN/FNG</td>
<td>PBMYAE8KRA</td>
<td>215191</td>
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