

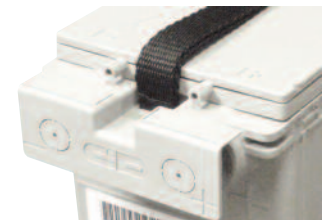


# C&D TRUE FRONT ACCESS®

## TEL Series Float Service



TEL12-210F



TEL12-210FG  
with TFA gas collection system



Typical Wireline Application



Typical Wireless Application

### **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
  - British Standard BS 6290: Part 4: 1997
  - 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**

Battery	Voltage Per Unit	Ampere Hour Capacity 8 Hour Rate @ 77°F (25°C) to 1.75 v/c	Ampere Hour Capacity 10 Hour Rate @ 68°F (20°C) to 1.80 v/c	Maximum Discharge Current	Short Circuit Current	Ohms Impedance 60 Hz (Ω)	Battery Weight
TEL12-210F/FG	12 V	202 Ah	199 Ah	800 Amperes	4500 Amperes	0.0040 Ohms	132 lbs/60 kg

## SPECIFICATIONS

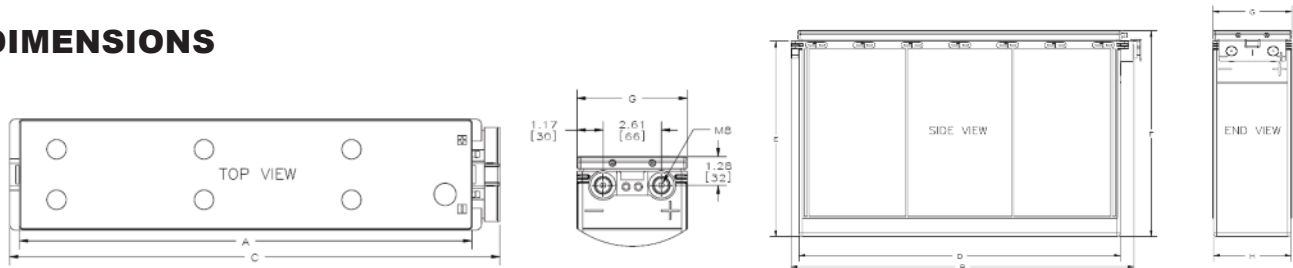
Ampere Hour Capacity to 1.75 Volts per Cell @77°F (25°C)  
Discharge in Hours

Model	1	2	3	4	5	6	7	8	10	12	20	24
TEL12-210F/FG	138	165	170	176	190	194	199	202	209	214	230	235

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

Model	1	2	3	4	5	6	7	8	10	12	20	24
TEL12-210F/FG	126	153	153	158	175	179	183	186	192	198	212	218

## DIMENSIONS



MODEL	A		B		C		D		E		F		G		H	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
TEL12-210F	20.3	516	21.5	546	22.0	559	20.1	512	12.2	310	12.6	320	4.9	126	4.8	123
TEL12-210FG	20.3	516	21.5	546	22.0	559	20.1	512	12.2	310	12.8	326	4.9	126	4.8	123

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

<b>Operating Temperature Range with temperature compensation</b>	Discharge: -40°F (-40°C) to 160°F (71°C) Charge: -10°F (-23°C) to 140°F (60°C)						
<b>Nominal Operating Temperature Range</b>	+68°F (20°C) to +80°F (27°C)						
<b>Recommended Maximum Charging Current Limit</b>	C <sub>20</sub> /5 Amperes (46 A)						
<b>Float Charging Voltage</b>	13.5 to 13.8 VDC average per 12V unit						
<b>Maximum AC Ripple (Charger)</b>	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 (C <sub>20</sub> /20)						
<b>Self Discharge</b>	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.						
<b>Equalize charge and cycle service voltage</b>	14.40 to 14.80 VDC average per 12V unit @ 77°F (25°C)						
<b>Terminal: Inserted - Inter-unit connector and hardware provided</b>	Threaded copper alloy insert terminal to accept M8 bolt						
<b>Terminal Hardware Torque:</b>	160 in.-lbs. (18 N-m)						
<b>Telcordia Part Numbers</b>	<table border="0"> <tr> <td><b>Battery Part Number</b></td> <td><b>CLEI Code</b></td> <td><b>CPR</b></td> </tr> <tr> <td>TEL12-210F/FG</td> <td>Pending</td> <td>Pending</td> </tr> </table>	<b>Battery Part Number</b>	<b>CLEI Code</b>	<b>CPR</b>	TEL12-210F/FG	Pending	Pending
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