

12-1060



# C&D TRUE FRONT ACCESS®

## TEL Series Float Service



TEL12-105FNS standard  
TEL12-105FN SG with optional gas collection (shown)

### **BENEFITS:**

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



Typical Wireline Application



Typical Wireless Application

### **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
TEL12-105FNS/FN SG	12 V	104 Ah	99 Ah	800 Amperes	4000 Amperes	0.0030 Ohms	71 lbs/32 kg

### SPECIFICATIONS

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

Discharge in Hours

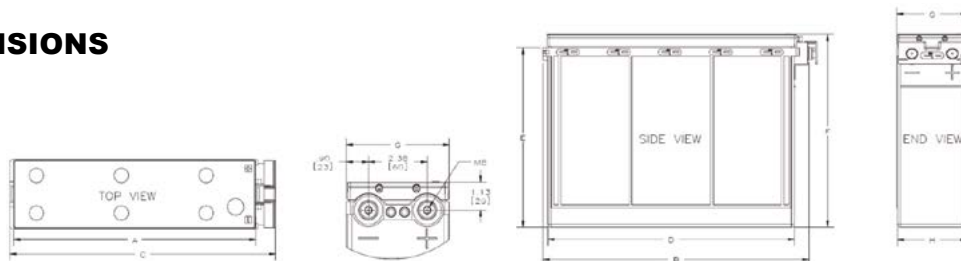
Model	1	2	3	4	5	6	7	8	10	12	20	24
TEL12-105FNS/FNSG	73	83	89	94	97	100	102	104	106	108	116	118

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
TEL12-105FNS/FNSG	68	77	82	87	90	93	94	96	99	100	106	107

### 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
TEL12-105FNS	14.5	370	15.6	397	16.1	410	14.4	365	10.4	265	11.2	284	4.1	106	4.0	103
TEL12-105FNSG	14.5	370	15.6	397	16.1	410	14.4	365	10.4	265	11.3	287	4.1	106	4.0	103

\*All dimensions in inches and (millimeters). All dimensions are for reference only. Contact a UNIPOWER Representative for complete dimensions 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 (23A)						
<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 voltage allowed = 1.4% RMS (4% P-P) Max current allowed = 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 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>TEL12-105FNS/FNSG</td> <td>PBMYAE9KRA</td> <td>215192</td> </tr> </table>	<b>Battery Part Number</b>	<b>CLEI Code</b>	<b>CPR</b>	TEL12-105FNS/FNSG	PBMYAE9KRA	215192
<b>Battery Part Number</b>	<b>CLEI Code</b>	<b>CPR</b>					
TEL12-105FNS/FNSG	PBMYAE9KRA	215192					