

12-1060



C&D TRUE
FRONT
ACCESS®
TEL Series
Float Service



TEL12-105FNS standard
TEL12-105FNSG 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/FNSG	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

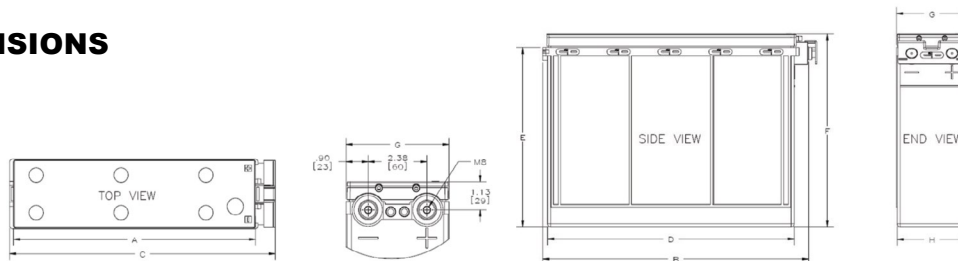
Model	1	2	3	4	5	6	7	8	10	12	20	24
TEL12-105FNS/FNSG	73	83	89	94	97	100	102	104	106	108	116	118

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.

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 (23A)						
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 Torque	160 in.-lbs. (18 N-m)						
Telcordia Part Numbers	<table border="0"> <tr> <td>Battery Part Number</td> <td>CLEI Code</td> <td>CPR</td> </tr> <tr> <td>TEL12-105FNS/FNSG</td> <td>PBMYAE9KRA</td> <td>215192</td> </tr> </table>	Battery Part Number	CLEI Code	CPR	TEL12-105FNS/FNSG	PBMYAE9KRA	215192
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