

LONG DURATION SERIES



Tel 12-105FS

Tel 12-105F

TEL12-105F TEL12-105FS VALVE REGULATED LEAD ACID BATTERY FOR COMMUNICATIONS STANDBY POWER APPLICATIONS

FEATURES

- Flame-arresting one-way pressure-relief vent for safety and long life.
- Thermally welded case-to-cover bond to ensure a leak-proof seal.
- Flame-retardant polypropylene case and cover compliant with UL94 V-0 with an Oxygen Limiting Index of greater than 28.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination 99% plus.
- Thick positive plate design for maximum service float life – 10 year design life.
- Front accessible threaded copper alloy terminals for ease of assembly and reduced maintenance.
- Complies with UL1778, 924, 1989 and 94 V-0.
- UL-recognized component.
- Can be used in any orientation. Upright, side or end mounting recommended.
- Multicell design for ease of installation and maintenance.
- Not restricted for air transport – Complies with IATA/ICAO Special Provision A67
- Not restricted for surface transport – classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport – classified as non-hazardous material per IMDG Amendment 27.
- Battery design allows for 48VDC configuration in a standard 23" relay rack in less than 10" height.
- Minimizes battery interconnection cost and resistance with supplied copper connectors.
- TEL12-105F overall length = 22.51"
- TEL12-105FS overall length = 21.95"

12 Volts – 100 Ampere Hour Capacity @ 8 Hour Rate

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

Discharge in Hours	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00	20.00	24.00	72.00	100.00
Amp-Hr Capacity	66.3	77.6	84.6	89.2	92.5	95.4	98.0	100	102	104	109	110	117	119

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Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Maximum Discharge Current	Short Circuit Current	Ohms Imped. 60 Hz (Ω)
6	12.84	80 lbs. 36 kg	Absorbed H ₂ SO ₄ SG = 1.300	800 Amps	4000 Amps @ 0.1 sec.	0.0030 Ohms

Constant Current Discharge Ratings – Amperes @ 77°F (Constant 1730. 5.2 TiT 1737 Tight) 33237 TiT

Note: Buss connection designed for 0.375" (1.0 cm) battery spacing
 Batteries to be mounted with 0.3" (0.75 cm) spacing minimum and free air ventilation.
 Refer to battery installation and operating instructions for additional information. Specifications subject to change without notification.