



# TEL-HT

## TELECOM HIGH TEMP BATTERIES

WITH MSE PURE LEAD TECHNOLOGY

**C&D**  
TECHNOLOGIES.

**TEL12-190FHT**

C&D Technologies' TEL-HT suite of products is the longest-lasting high-performance VRLA battery for Telecom applications that endure extreme conditions. In addition, our batteries save costs by deferring replacements and reducing operational expenses.

## BENEFITS



**RELIABILITY IN ALL ENVIRONMENTS:** A TEL-HT battery, regardless of region or conditions, can simplify your network design and save you money on cooling costs. It is designed for operation in extreme temperatures from -40°F to +160°F (-40°C to + 71°C).



**LONGEST LIFE:** Extreme attention to quality, patented Pure Lead (MSE) technology, and optimized grid alloys provide approx 20% savings\* backed by an industry-leading warranty.\*\*



**SUPPORT SUSTAINABILITY:** Lower your energy demand and cooling costs. TEL-HT batteries are 98% recyclable, manufactured with up to 80% recycled materials, and last longer in higher-temperature environments. C&D creates high-quality products and process improvements to minimize our environmental footprint.



**MAINTENANCE EFFICIENCY:** True Front Access terminals minimize failure points and save maintenance time.

## FEATURES

- ◆ Expect 12+ year design life
- ◆ MSE Pure Lead technology reduces water loss by up to 50%, improves grid life, and lowers float current, thereby extending battery life
- ◆ Engineered to extend service life in elevated temperature applications
- ◆ Patented True Front Access® for reduced maintenance compared to traditional top terminal configurations
- ◆ Premium materials and components, including a strong polypropylene case, protect the battery's components and ensure year-after-year reliability in the most demanding environments
- ◆ Store up to two years at 77°F (25°C)
- ◆ 12-volt monobloc using Valve Regulated Lead Acid (VRLA) and Absorbed Glass Mat (AGM) components
- ◆ Non-hazardous AGM for easy shipping, no spillage, and no periodic watering
- ◆ C&D Ohmic Ring™ for improved reliability and to make service readings easier





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TEL12-190FHT	
OPERATING TEMPERATURE	Discharge: -40°F to +160°F (-40°C to +71°C) Charge -10°F to +140°F (-23°C to +60°C)
RECOMMENDED CHARGING CURRENT	C20/5Amperes (Maximum) @ 77°F (25°C)
FLOAT CHARGING VOLTAGE	13.65VDC +/-0.15VDC Per 12V Unit
TEMP COMPENSATION FLOAT CHARGE	3.6mV/Cell from 77°F (25°C) (13.434 VDC @35°C)
EQUALIZE CHARGING VOLTAGE	14.40 VDC to 14.80 VDC Per 12V Unit
STORAGE	Battery may be stored up to 2 years at 77°F (25°C)
TERMINAL	Threaded copper alloy insert terminal: 1/4-20 bolt
TERMINAL HARDWARE TORQUE	110 in-lbs (12.4 N-m) for 1/4-20 Hardware
SELF STORAGE	Battery can be stored up to 24 months at 77°F (25°C) before a freshening charge is required.

NOMINAL CAPACITY 8 HOURS TO 1.75 VPC @ 25°C	IEC CAPACITY 10 HOURS TO 1.80 VPC @ 20°C	WEIGHT LBS (KG)	MAXIMUM DISCHARGE CURRENT	OHMS IMPEDANCE 60 HZ (Ω)
199 Ah	195 Ah	135 (61)	800A	0.0042

VOLTAGE	CONSTANT CURRENT DISCHARGE RATINGS - AMPERES @ 77°F (25°C)													DIMENSIONS INCHES (mm)		
	OPERATING TIME (Hr.) TO 1.75 VOLTS PER CELL															
	1	2	3	4	5	6	7	8	10	12	20	24	72	LENGTH	WIDTH	HEIGHT
12 VOLT	131.20	78.20	56.60	44.60	36.90	31.80	27.90	24.90	20.50	17.50	11.00	9.20	3.20	22.0 (559)	4.9 (126)	12.4 (315)

\* Moving from 5-year to 6-year replacement

\*\* Specific maximum average temperature in our warranty document



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