



# TEL-HT

## TELECOM HIGH TEMP BATTERIES

WITH MSE PURE LEAD TECHNOLOGY

**C&D**  
**TECHNOLOGIES.**

**TEL-HT SERIES**

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



SPECIFICATIONS



TEL-HT

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TEL HIGH TEMPERATURE SERIES MODELS

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 / 5 Amperes (Maximum) @ 77°F (25°C)
FLOAT CHARGING VOLTAGE	13.65 VDC +/-0.15 VDC Per 12V Unit
TEMPERATURE COMPENSATION FLOAT CHARGE	3.6mV / Cell°C 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 Front Access Models: 1/4-20 bolt
TERMINAL HARDWARE TORQUE	Front Access Models 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

MODEL NAME	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)
TEL HIGH TEMPERATURE SERIES MODELS					
TEL12-105FHTG <sup>A</sup>	101 Ah	98 Ah	72 (32.8)	800A	0.0065
TEL12-115FHT	104 Ah	101 Ah	73 (33.0)	800A	0.0056
COMING SOON TEL12-155FHT	147 Ah	148 Ah	104 (47.0)	800A	0.0054
COMING SOON TEL12-170FHTG <sup>A</sup>	162 Ah	163 Ah	110 (49.5)	800A	0.0048
TEL12-180FHT	181 Ah	174 Ah	124 (56)	800A	0.0043
TEL12-190FHT	199 Ah	195 Ah	135 (61)	800A	0.0042
TEL12-200FHT	195 Ah	192 Ah	132 (60)	800A	0.0042

MODEL NAME	VOLTAGE	CONSTANT CURRENT DISCHARGE RATINGS - AMPERES @ 77°F (25°C)														DIMENSIONS INCHES (mm)		
		OPERATING TIME (Hr.) TO 1.75 VOLTS PER CELL														LENGTH	WIDTH	HEIGHT
		1	2	3	4	5	6	7	8	10	12	20	24	72				
TEL HIGH TEMPERATURE SERIES MODELS																		
TEL12-105FHTG <sup>A</sup>	12 VOLT	70.10	39.80	28.50	22.60	18.70	16.00	14.00	12.50	10.20	8.70	5.50	4.70	1.70	16.2 (412)	4.2 (106)	11.4 (289)	
TEL12-115FHT	12 VOLT	68.60	39.50	28.60	22.80	19.10	16.40	14.40	13.00	10.60	9.00	5.80	4.90	1.70	20.1 (511)	4.3 (109)	9.1 (232)	
TEL12-155FHT	12 VOLT	96.70	58.90	42.10	33.10	27.40	23.50	20.70	18.50	15.30	13.10	8.50	7.30	2.60	22.0 (559)	4.9 (126)	10.9 (277)	
TEL12-170FHTG <sup>A</sup>	12 VOLT	109.00	62.10	45.10	35.70	29.80	25.60	22.50	20.30	16.80	14.20	8.90	7.50	2.60	22.0 (559)	4.9 (126)	11.2 (285)	
TEL12-180FHT	12 VOLT	125.70	72.40	52.00	41.00	34.20	29.20	25.70	22.90	18.80	15.90	10.00	8.50	3.00	22.0 (559)	4.9 (126)	12.4 (315)	
TEL12-190FHT	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)	
TEL12-200FHT	12 VOLT	132.70	79.50	56.20	44.00	36.40	31.10	27.30	24.40	20.10	17.20	11.00	9.40	3.30	22.0 (559)	4.9 (126)	12.52 (318)	

Δ TFA Gas Collection System  
\* Moving from 5-year to 6-year replacement  
\*\* Specific maximum average temperature in our warranty document

