

TELECOM Series, Front Terminal BC-12V170FT



FEATURES

- Absorbent Glass Mat (AGM) technology for efficient gas recombination and superior performance
- High impact UL94 V-0 flame retardant ABS, LOI>28%
- High conductivity copper alloy front terminal design for easy installation and maintenance
- Integrated handles for easy handling
- Fits in all 23" standard relay racks
- One-way vent design for safety and long life
- 10-year design life
- Automated online battery reporting, powered by OMS[®]-BatteryTrak[®] technology
- Self Discharge rate of 3% per month at 25°C

SPECIFICATIONS

Nominal Voltage	12 volts (6 cells)
Nominal Capacity	
20 hour rate	190 AH (9.048A to 1.75 vpc)
8 hour rate	171 AH (21.3A to 1.75 vpc)
Dimensions	
Length	21.97 in (558 mm)
Length Base	20.87 in (530 mm)
Width	4.92 in (125 mm)
Height	12.20 in (310 mm)
Weight	123 lbs (56 kg) Maximum
Terminal	
Torque Value	100 in-lbs (11.3 Nm)
Type	Copper Alloy Insert – M6-F Stud –M5-M / 50 in-lbs (5.6Nm)
Internal Resistance	3.22 mΩ
Maximum Discharge Current	
Continuous	500 amperes
Short Duration (< 10 sec)	800 amperes
Operating Temperature Range	
Charge	-20°F (-28°C) to +122°F (50°C) (with temp. V compensation)
Discharge	-40°F (-40°C) to +122°F (50°C)
Nominal/Recommended	+68°F (20°C) to + 77°F (25°C)
Storage	-4°F (-20°C) to +104°F (40°C)
Charge Voltage	
Float	13.4 to 13.6, constant at 77°F (25°C)
Cycle	14.1 to 14.7, constant at 77°F (25°C)
Maximum Charge Current	42 amperes - C/4 amperes
Short Circuit Current	3881 amperes

BatteryCorp Batteries Standards Compliance

Telcordia SR-4228	US DOT-CFR 49
UL 924 Approval	IEC 60896-2
Certified –	ISO 9001:2000
NEBS Version 4, Level 3	ISO 14001
Telcordia GR-1089-Core, Issue 3	
Telcordia GR-63-Core, Issue 3	

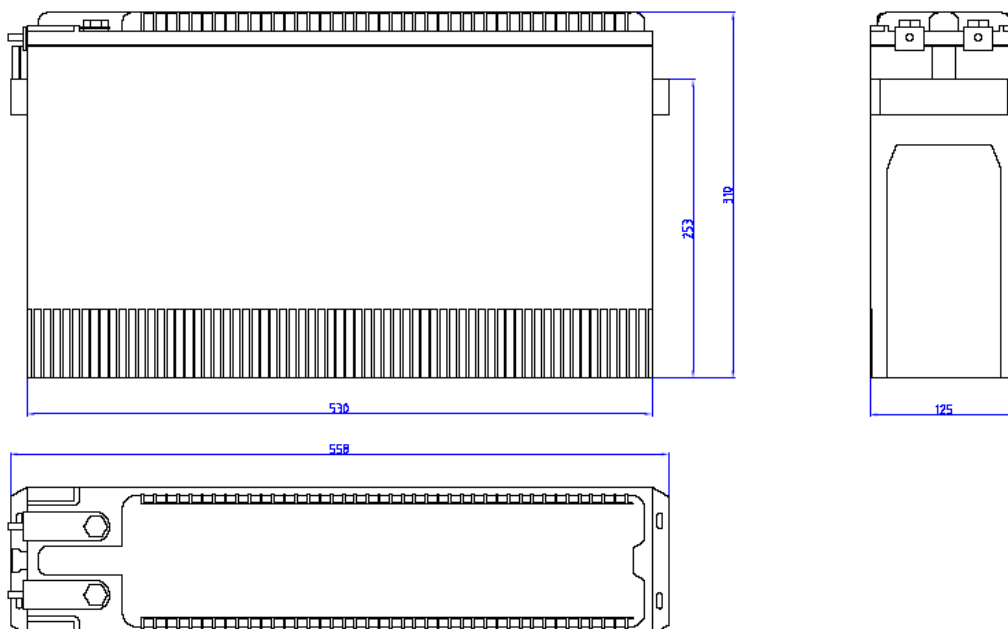
DISCHARGE

1.75 vpc @ 77°F (25°C)	Amperes	Capacity
1 Hour	116.1	116.1
2 Hour	66.3	132.5
3 Hour	48.0	143.9
4 hour	38.1	152.5
5 Hour	32.3	161.3
8 Hour	21.3	170.5
10 Hour	17.8	177.7
20 Hour	9.48	189.7

BC-12V170FT

Constant Current Discharge Data
Time (h) – Amperes @ 25°C (77°F)

end vpc	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8	9	10	12	20
1.75	198.5	116.1	83.4	66.3	55.0	48.0	42.1	38.1	34.5	32.3	29.7	27.6	24.2	21.3	19.5	17.8	15.2	9.48
1.78	193.2	113.0	81.3	64.6	53.7	46.8	41.2	37.3	33.7	31.5	29.1	27.0	23.7	21.1	19.1	17.4	14.9	9.40
1.80	187.9	111.2	80.1	63.7	52.9	46.2	40.6	36.7	33.3	31.1	28.7	26.6	23.4	20.8	18.8	17.4	14.7	9.31
1.82	184.4	109.1	78.7	62.6	52.1	45.4	39.9	36.2	32.7	30.6	28.3	26.2	23.0	20.5	18.5	16.9	14.5	9.28
1.84	177.4	106.8	77.2	61.5	51.2	44.7	39.3	35.6	32.3	30.2	27.8	25.9	22.7	20.2	18.3	16.7	14.3	9.17
1.86	174.2	104.9	75.9	60.5	50.4	44.1	38.8	35.1	31.8	29.8	27.5	25.5	22.4	20.0	18.1	16.5	14.1	9.07
1.88	168.0	103.0	74.6	59.5	49.5	43.3	38.1	34.5	31.3	29.3	27.0	25.1	22.0	19.7	17.8	16.2	13.9	8.92
1.90	164.3	100.8	73.1	58.4	48.7	42.6	37.5	34.0	30.8	28.8	26.6	24.7	21.7	19.4	17.5	16.0	13.7	8.82



OMS® -BatteryTrak® is a powerful technology for tracking and reporting the status of batteries in the field, utilizing advanced algorithms, analysis and non-invasive testing.

Battery information available to customers online includes:

- Run time analysis
- State-of-health (SOH)
- Installation configuration
- Warranty tracking
- Anomaly reporting

OMS® – BatteryTrak® comes bundled with all BatteryCorp batteries and offers a clear ROI for customers.