

**TELECOM Series, Front Terminal  
BC-12V75FT**

**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 19 & 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**

<b>Nominal Voltage</b>	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
20 hour rate	81.8 AH (4.09 A to 1.75 vpc)
8 hour rate	73.5 AH (9.2 A to 1.75 vpc)
<b>Dimensions</b>	
Length	21.95 in (558 mm)
Length Base	20.92 in (531 mm)
Width	4.14 in (105 mm)
Height	8.94 in (228 mm)
<b>Weight</b>	63 lbs (28.7 kg) Maximum
<b>Terminal</b>	
Torque Value	100 in-lbs (11.3 Nm)
Type	Copper Alloy Insert – M6 M5-M Stud / 50 in-lbs (5.6Nm)
<b>Maximum Discharge Current</b>	
Continuous	250 amperes
Short Duration (< 10 sec)	500 amperes
<b>Internal Resistance</b>	5.4 mΩ
<b>Operating Temperature Range</b>	
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)
<b>Charge Voltage</b>	
Float	13.4 to 13.6, constant at 77°F (25°C)
Cycle	14.1 to 14.7, constant at 77°F (25°C)
<b>Maximum Charge</b>	15 amperes
<b>Short Circuit Current</b>	2295 amperes

**BatteryCorp Batteries  
Standards Compliance**

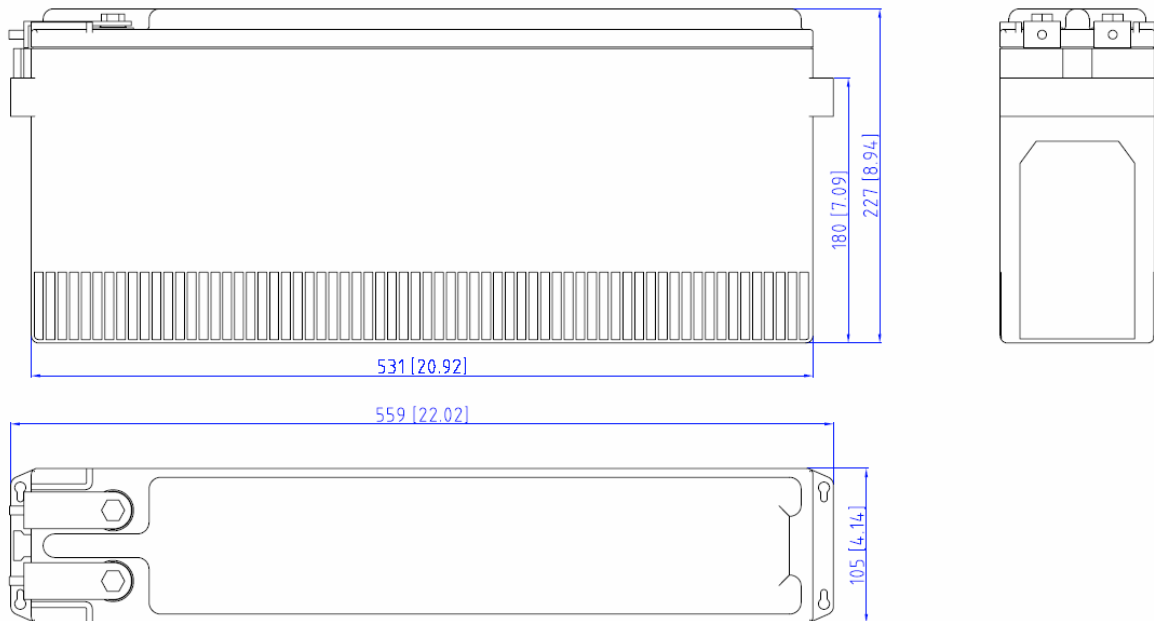
<b>Telcordia SR-4228</b>	<b>US DOT-CFR 49</b>
<b>UL 924 Approval</b>	<b>IEC 60896-2</b>
<b>Certified :</b>	<b>ISO 9001:2000</b>
<b>NEBS Version 4, Level 3</b>	<b>ISO 14001</b>
<b>Telcordia GR-1089-Core, Issue 3</b>	
<b>Telcordia GR-63-Core, Issue 3</b>	

**DISCHARGE**

1.75 vpc @ 77°F (25°C)	Amperes	Capacity
1 Hour	50.0	50.0
2 Hour	28.6	57.1
3 Hour	20.7	62.0
4 hour	16.4	65.7
5 Hour	13.9	69.5
8 Hour	9.2	73.5
10 Hour	7.7	76.6
20 Hour	4.09	81.8

**BC-12V75FT**
**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	85.6	50.0	36.0	28.6	23.7	20.7	18.2	16.4	14.9	13.9	12.8	11.9	10.3	9.2	8.4	7.7	6.5	4.09
1.78	83.3	48.7	35.1	27.9	23.1	20.2	17.7	16.1	14.5	13.6	12.5	11.6	10.2	9.0	8.2	7.5	6.4	4.05
1.80	81.0	47.9	34.5	27.4	22.8	19.9	17.5	15.8	14.3	13.4	12.4	11.5	10.1	8.9	8.1	7.5	6.3	4.01
1.82	79.5	47.0	33.9	27.0	22.4	19.6	17.2	15.6	14.1	13.2	12.2	11.3	9.9	8.8	8.0	7.3	6.2	4.00
1.84	76.4	46.1	33.3	26.5	22.1	19.3	16.9	15.4	13.9	13.0	12.0	11.1	9.8	8.7	7.9	7.2	6.2	3.95
1.86	75.1	45.2	32.7	26.1	21.7	19.0	16.7	15.1	13.7	12.8	11.8	11.0	9.7	8.6	7.8	7.1	6.1	3.91
1.88	72.4	44.4	32.2	25.6	21.4	18.7	16.4	14.9	13.5	12.6	11.6	10.8	9.5	8.5	7.7	7.0	6.0	3.85
1.90	70.8	43.4	31.5	25.2	21.0	18.3	16.1	14.6	13.3	12.4	11.5	10.7	9.4	8.4	7.6	6.9	5.9	3.80



**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.