

**TELECOM Series, Front Terminal
BC-12V100FT**

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

Nominal Voltage 12 volts (6 cells)

Nominal Capacity
 20 hour rate 111 AH (5.56A to 1.75 vpc)
 8 hour rate 100 AH (12.5A to 1.75 vpc)

Dimensions
 Length 15.35 in (390 mm)
 Width 4.13 in (105 mm)
 Height 11.30 in (287 mm)

Weight 76 lbs (34.5 kg) Maximum

Terminal
 Torque Value 100 in-lbs (11.3 Nm)
 Type Copper Alloy Insert – M6

Internal Resistance 4.3 mΩ

Maximum Discharge Current
 Continuous 300 amperes
 Short Duration (< 10 sec) 470 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 25 amperes - C/4 amperes

Short Circuit Current 2913 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	

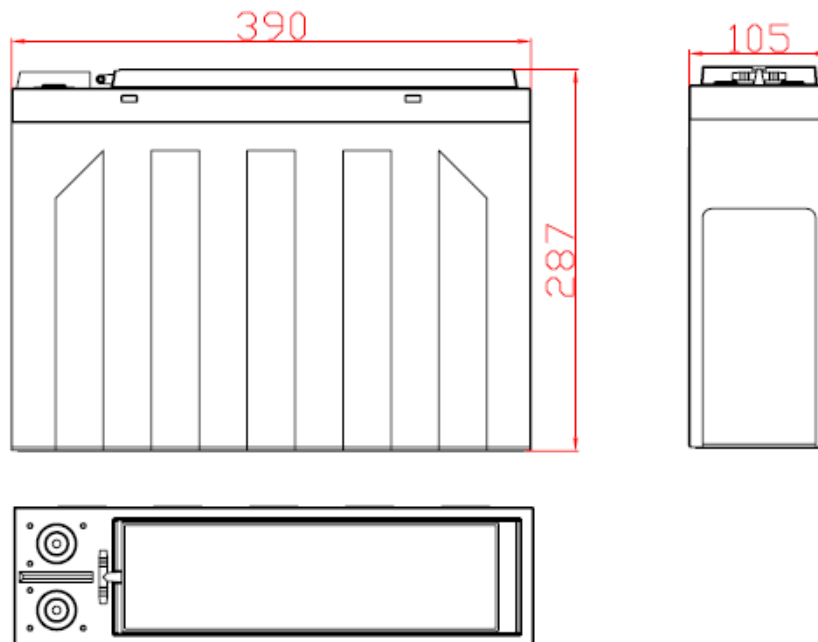
DISCHARGE

1.75 vpc @ 77°F (25°C)	Amperes	Capacity
1 Hour	68.0	68.0
2 Hour	38.8	77.7
3 Hour	28.1	84.4
4 hour	22.3	89.4
5 Hour	18.9	94.5
8 Hour	12.5	100.0
10 Hour	10.4	104.2
20 Hour	5.51	110.2

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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	116.4	68.0	48.9	38.8	32.3	28.1	24.7	22.3	20.2	18.9	17.4	16.2	14.1	12.5	11.4	10.4	8.8	5.51
1.78	113.2	66.2	47.7	37.9	31.5	27.5	24.1	21.8	19.8	18.5	17.0	15.8	13.9	12.2	11.2	10.3	8.7	5.48
1.80	110.1	65.2	47.0	37.3	31.0	27.1	23.8	21.5	19.5	18.2	16.8	15.6	13.7	12.1	11.0	10.2	8.6	5.46
1.82	108.1	64.0	46.1	36.7	30.5	26.6	23.4	21.2	19.2	18.0	16.6	15.4	13.5	12.0	10.9	9.9	8.5	5.44
1.84	104.0	62.6	45.3	36.0	30.0	26.2	23.0	20.9	18.9	17.7	16.3	15.2	13.3	11.9	10.7	9.8	8.4	5.38
1.86	102.1	61.5	44.5	35.5	29.6	25.8	22.7	20.6	18.7	17.5	16.1	15.0	13.1	11.7	10.6	9.7	8.3	5.32
1.88	98.5	60.4	43.7	34.9	29.0	25.4	22.3	20.2	18.3	17.2	15.8	14.7	12.9	11.5	10.4	9.5	8.1	5.23
1.90	96.3	59.1	42.9	34.2	28.5	25.0	22.0	19.9	18.0	16.9	15.6	14.5	12.7	11.4	10.3	9.4	8.0	5.17



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.