

# STT Series-Tubular Flooded Batteries

STT2V100 (2V110AH)

Specifications	
Nominal Voltage	2V
Nominal Capacity @ 77°F (25°C)	110 AH (8 hr. to 1.75 V/cell) 168 AH (48 hr. to 1.80 V/cell) 187 AH (120 hr. to 1.85 V/cell) 197 AH (240 hr. to 1.85 V/cell)
Length	4.06 inches (103mm)
Width	8.11 inches (206mm)
Height (with vent cap)	16.1 inches (409mm)
Weight	Without Electrolyte 16.5 lb. (7.5kg) With Electrolyte 28.8 lb. (13.1kg)
Electrolyte / Cell	12.3 lb. (5.6kg) 1.2 gallons
Container & Cover Material	Styrene-acrylonitrile (SAN), Impact Resistant
Positive Plate Construction	Lead-Selenium / Low Antimony Tubular
Negative Plate Construction	Pasted Flat Radial
Post Design	Leak-Proof with Brass Insert
Hardware / Torque Rating	M10 / 180 in. lb.
Preferred Operating Temp.	68° to 77°F (20° to 25°C)
Operating Temp. Range	-4° to 130°F (-15° to 55°C)
Internal Resistance	Approx. 1.55mΩ
Short Circuit Current	1240 Amps
Float Voltage	2.23V at 77°F (25°C)
Equalize Voltage	2.33 to 2.40V at 77°F (25°C)
Max. Charge Current Allowed	30 Amps
Self Discharge	The STT Series batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



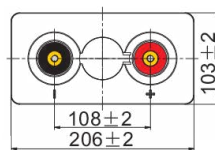
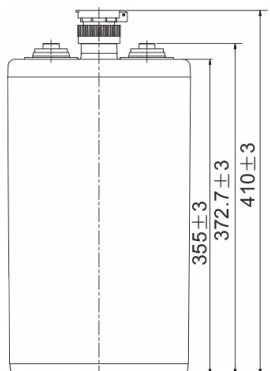
## Applications

- Utility
- Telecommunications
- Solar/Photovoltaic
- Oil and gas
- Railways

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## Constant Current Discharge (Amperes) at 77°F (25°C)

F.V/Time	15 min	30 min	1 hr	1.5 hr	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	20 hr	24 hr	48 hr	72 hr	100 hr
1.70V/cell	121	88.1	57.7	44.6	36.9	28.1	23.1	19.5	17.1	13.6	11.6	—	—	—	—	—
1.75V/cell	109	80.3	54.6	42.6	35.5	27.2	22.6	19.0	16.8	13.7	11.4	—	—	—	—	—
1.80V/cell	90.1	70.0	50.0	39.6	33.4	26.0	21.1	18.3	16.3	13.0	11.1	7.37	6.37	3.59	2.53	1.89
1.83V/cell	76.7	61.3	45.3	36.6	31.4	24.7	20.7	17.6	15.7	12.6	10.9	7.25	6.27	3.54	2.50	1.87
1.85V/cell	68.0	55.6	41.6	34.4	29.9	23.6	19.9	17.1	15.3	12.2	10.6	7.12	6.16	3.49	2.46	1.84



All product specifications and data are subject to change without notice.