

# STT Series-Tubular Flooded Batteries

STT2V500 (2V550AH)

Specifications	
Nominal Voltage	2V
Nominal Capacity @ 77°F (25°C)	550 AH (8 hr. to 1.75 V/cell) 797 AH (48 hr. to 1.80 V/cell) 904 AH (120 hr. to 1.85 V/cell) 948 AH (240 hr. to 1.85 V/cell)
Length	5.71 inches (145mm)
Width	8.11 inches (206mm)
Height (with vent cap)	27.6 inches (701mm)
Weight	Without Electrolyte 63.9 lb. (29.0kg) With Electrolyte 92.6 lb. (42.0kg)
Electrolyte / Cell	28.7 lb. (13.0kg) 2.9 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 / 180-221 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. 0.54mΩ
Short Circuit Current	3750 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	150 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.



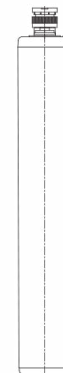
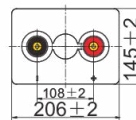
## Applications

- 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	438	367	281	227	190	146	120	100	88.4	70.0	60.2	32.4	—	—	—	—
1.75V/cell	380	328	261	215	182	142	118	97.5	85.8	68.8	58.1	31.9	—	—	—	—
1.80V/cell	314	276	227	194	167	134	112	94.4	83.7	67.0	56.7	31.4	37.17	17.61	12.41	9.27
1.83V/cell	271	242	204	178	155	125	106	90.1	80.5	65.0	54.7	30.4	30.03	17.10	12.11	9.06
1.85V/cell	245	220	190	165	144	118	101	86.7	77.8	61.8	53.1	29.5	28.94	16.60	11.80	8.86



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