

# STT Series-Tubular Flooded Batteries

STT2V200 (2V220AH)

Specifications	
Nominal Voltage	2V
Nominal Capacity @ 77°F (25°C)	220 AH (8 hr. to 1.75 V/cell) 272 AH (48 hr. to 1.80 V/cell) 300 AH (120 hr. to 1.85 V/cell) 310 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 29.7 lb. (13.5kg) With Electrolyte 39.6 lb. (18.0kg)
Electrolyte / Cell	9.9 lb. (4.5kg) 1.0 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. 0.95mΩ
Short Circuit Current	2380 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	60 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.



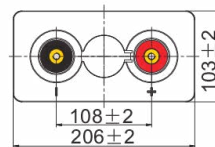
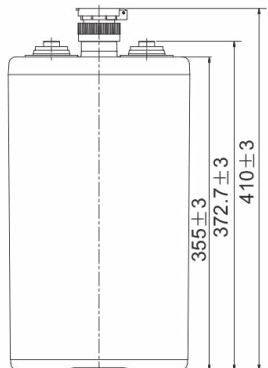
## Applications

- 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	242	176	115	89.2	73.7	56.2	46.2	38.9	34.2	27.2	23.3	13.1	—	—	—	—
1.75V/cell	217	161	109	85.3	71.1	54.5	45.1	38.0	33.6	27.5	22.9	12.9	—	—	—	—
1.80V/cell	180	140	100	79.1	66.7	51.9	42.2	36.7	32.5	26.0	22.2	12.6	10.67	5.93	4.15	3.08
1.83V/cell	153	123	90.6	73.1	62.8	49.3	41.3	35.2	31.3	25.1	21.7	12.3	10.41	5.80	4.06	3.02
1.85V/cell	136	111	83.2	68.8	59.7	47.2	39.9	34.2	30.6	24.4	21.1	11.9	10.14	5.67	3.98	2.96



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