

# STT Series-Tubular Flooded Batteries

STT2V300 (2V330AH)

Specifications	
Nominal Voltage	2V
Nominal Capacity @ 77°F (25°C)	330 AH (8 hr. to 1.75 V/cell) 411 AH (48 hr. to 1.80 V/cell) 454 AH (120 hr. to 1.85 V/cell) 470 AH (240 hr. to 1.85 V/cell)
Length	5.71 inches (145mm)
Width	8.11 inches (206mm)
Height (with vent cap)	16.1 inches (409mm)
Weight	Without Electrolyte 41.8 lb. (19.0kg) With Electrolyte 55.0 lb. (24.9kg)
Electrolyte / Cell	13.2 lb. (6.0kg) 1.3 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. 0.70mΩ
Short Circuit Current	3500 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	90 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.



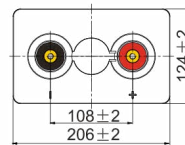
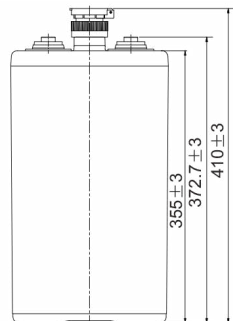
## Applications

- 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	364	265	174	134	110	84.4	69.4	58.4	51.4	40.7	34.9	19.7	—	—	—	—
1.75V/cell	327	241	164	128	107	81.4	67.7	57.1	50.4	41.0	34.3	19.4	—	—	—	—
1.80V/cell	271	210	150	118	100	77.9	63.9	55.0	48.8	38.9	33.4	18.7	16.12	8.97	6.28	4.66
1.83V/cell	231	184	136	110	94.8	74.0	61.9	52.7	47.0	37.7	32.5	18.3	15.73	8.77	6.15	4.57
1.85V/cell	204	167	125	103	89.6	70.8	59.7	51.3	45.9	36.7	31.7	17.9	15.33	8.57	6.02	4.48



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