

STT Series-Tubular Flooded Batteries

STT12V150 (12V165AH)

Specifications	
Nominal Voltage	12V
Nominal Capacity @ 77°F (25°C)	165 AH (8 hr. to 1.75 V/cell) 176 AH (48 hr. to 1.80 V/cell) 191 AH (120 hr. to 1.85 V/cell) 199 AH (240 hr. to 1.85 V/cell)
Length	15.0 inches (381mm)
Width	8.08 inches (205mm)
Height (with vent cap)	15.1 inches (384mm)
Weight	Without Electrolyte 117.3 lb. (53.2kg) With Electrolyte 149 lb. (67.6kg)
Electrolyte / Cell	31.7 lb. (14.4kg) 3.1 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	M8 or M10 / 132 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. M8: 7.17 or M10: 6.828mΩ (per Block)
Short Circuit Current	1780 Amps
Float Voltage	2.23V at 77°F (25°C) (13.38V per Block)
Equalize Voltage	2.33 to 2.40V at 77°F (25°C)
Max. Charge Current Allowed	45 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.



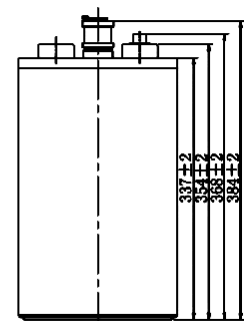
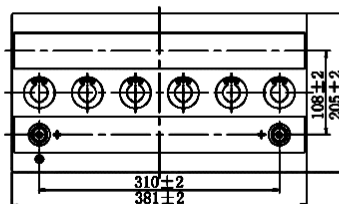
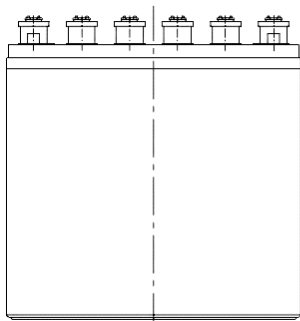
Applications

- 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	182	132	86.5	66.9	55.3	42.2	34.7	29.2	25.6	20.4	17.5	9.81	—	—	—	—
1.75V/cell	163	121	81.9	64.0	53.3	40.9	33.8	28.5	25.2	20.6	17.1	9.66	—	—	—	—
1.80V/cell	135	105	74.9	59.3	50.1	38.9	31.7	27.5	24.4	19.5	16.7	9.42	7.15	3.87	2.68	1.98
1.83V/cell	115	91.9	68.0	54.8	47.1	37.0	31.0	26.4	23.5	18.8	16.3	9.19	6.94	3.77	2.61	1.93
1.85V/cell	102	83.4	62.4	51.6	44.8	35.4	29.9	25.6	22.9	18.3	15.8	8.96	6.72	3.66	2.54	1.88



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