

STT Series-Tubular Flooded Batteries

STT6V250 (6V275AH)

Specifications

Nominal Voltage	6V
Nominal Capacity @ 77°F (25°C)	275 AH (8 hr. to 1.75 V/cell) 355 AH (48 hr. to 1.80 V/cell) 389 AH (120 hr. to 1.85 V/cell) 403 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 98.1 lb. (44.5kg) With Electrolyte 130 lb. (59.0kg)
Electrolyte / Cell	31.9 lb. (14.5kg) 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: 2.16 or M10: 2.28mΩ (per Block)
Short Circuit Current	2660 Amps
Float Voltage	2.23V at 77°F (25°C) (6.69V per Block)
Equalize Voltage	2.33 to 2.40V at 77°F (25°C)
Max. Charge Current Allowed	75 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.



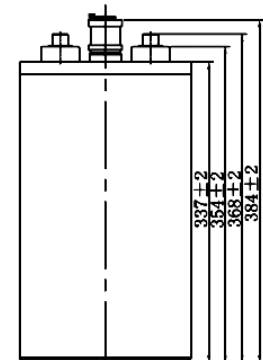
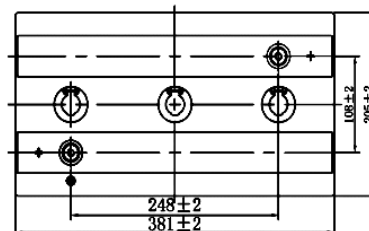
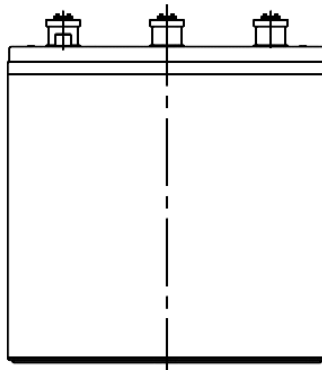
Applications

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

STT6V250 (6V275AH)

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	303	220	145	111	92.2	70.3	57.8	48.6	42.7	33.9	29.0	16.4	—	—	—	—
1.75V/cell	272	201	137	107	88.8	67.9	56.3	47.6	41.9	34.2	28.5	16.1	—	—	—	—
1.80V/cell	226	175	125	98.9	83.4	63.9	54.1	45.8	40.7	32.4	27.8	15.7	14.10	7.77	5.41	4.01
1.83V/cell	192	153	113	91.7	78.5	61.7	51.6	44.0	39.1	31.4	27.1	15.2	13.73	7.59	5.29	3.92
1.85V/cell	170	139	104	86.0	74.7	59.0	49.7	42.7	38.2	30.5	26.4	14.9	13.35	7.40	5.17	3.84



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