

STT Series-Tubular Flooded Batteries

STT2V1750 (2V2047AH)

Specifications	
Nominal Voltage	2V
Nominal Capacity @ 77°F (25°C)	2047 AH (8 hr. to 1.75 V/cell) 2505 AH (48 hr. to 1.80 V/cell) 2770 AH (120 hr. to 1.85 V/cell) 2868 AH (240 hr. to 1.85 V/cell)
Length	8.35 inches (212mm)
Width	15.7 inches (399mm)
Height (with vent cap)	32.6 inches (828mm)
Weight	Without Electrolyte 218 lb. (99.9kg) With Electrolyte 296 lb. (134.3kg)
Electrolyte / Cell	78 lb. (35.4kg) 7.5 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. 0.30mΩ
Short Circuit Current	10350 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	350 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.



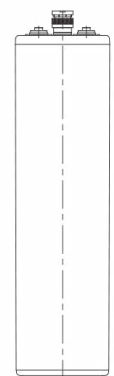
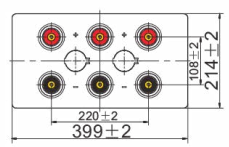
Applications

- 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	1334	1145	881	731	626	491	406	349	306	248	206	116.3	—	—	—	—
1.75V/cell	1117	978	794	675	588	470	392	337	298	256	202	113.6	—	—	—	—
1.80V/cell	918	835	703	609	540	439	370	321	284	230	194	110.0	99.20	54.97	38.34	28.40
1.83V/cell	802	734	632	557	497	408	346	303	269	219	184	103.6	95.87	53.57	37.49	27.83
1.85V/cell	729	673	586	517	462	382	325	284	253	208	176	98.2	92.68	52.18	36.65	27.28



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