

# STT Series-Tubular Flooded Batteries

STT2V1000 (2V1090AH)

## Specifications

<b>Nominal Voltage</b>	2V
<b>Nominal Capacity @ 77°F (25°C)</b>	1090 AH (8 hr. to 1.75 V/cell) 1419 AH (48 hr. to 1.80 V/cell) 1592 AH (120 hr. to 1.85 V/cell) 1656 AH (240 hr. to 1.85 V/cell)
<b>Length</b>	8.27 inches (210mm)
<b>Width</b>	9.18 inches (233mm)
<b>Height (with vent cap)</b>	27.6 inches (701mm)
<b>Weight</b>	Without Electrolyte 126 lb. (57.2kg) With Electrolyte 170 lb. (77.1kg)
<b>Electrolyte / Cell</b>	44.0 lb. (20.0kg) 4.3 gallons
<b>Container &amp; Cover Material</b>	Styrene-acrylonitrile (SAN), Impact Resistant
<b>Positive Plate Construction</b>	Lead-Selenium / Low Antimony Tubular
<b>Negative Plate Construction</b>	Pasted Flat Radial
<b>Post Design</b>	Leak-Proof with Brass Insert
<b>Hardware / Torque Rating</b>	M10 / 180–221 in. lb.
<b>Preferred Operating Temp.</b>	68° to 77°F (20° to 25°C)
<b>Operating Temp. Range</b>	-4° to 130°F (-15° to 55°C)
<b>Internal Resistance</b>	Approx. 0.37mΩ
<b>Short Circuit Current</b>	7750 Amps
<b>Float Voltage</b>	2.23V at 77°F (25°C)
<b>Equalize Voltage</b>	2.33 to 2.40V at 77°F (25°C)
<b>Max. Charge Current Allowed</b>	300 Amps
<b>Self Discharge</b>	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.



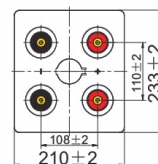
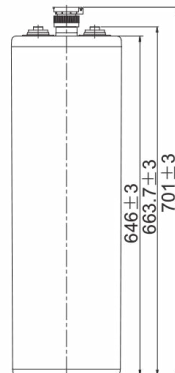
## Applications

- 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	876	734	562	455	380	293	241	201	177	139	121	65.0	–	–	–	–
1.75V/cell	760	656	522	430	365	284	235	196	172	136	116	62.8	–	–	–	–
1.80V/cell	628	551	453	388	335	268	224	190	167	134	113	61.8	56.22	31.48	22.08	16.43
1.83V/cell	543	484	409	355	311	249	210	180	161	130	109	60.9	54.04	30.51	21.50	16.04
1.85V/cell	490	440	379	330	288	235	201	172	155	125	105	58.9	51.98	29.56	20.91	15.65



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