

STT Series-Tubular Flooded Batteries

STT2V3000 (2V3585AH)

Specifications

Nominal Voltage	2V
Nominal Capacity @ 77°F (25°C)	3585 AH (8 hr. to 1.75 V/cell) 4199 AH (48 hr. to 1.80 V/cell) 4620 AH (120 hr. to 1.85 V/cell) 4769 AH (240 hr. to 1.85 V/cell)
Length	8.35 inches (212mm)
Width	22.7 inches (577mm)
Height (with vent cap)	32.6 inches (828mm)
Weight	Without Electrolyte 359 lb. (162.8kg) With Electrolyte 495 lb. (224.5kg)
Electrolyte / Cell	136 lb. (61.7kg) 13.2 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. 0.20mΩ
Short Circuit Current	18800 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	900 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.



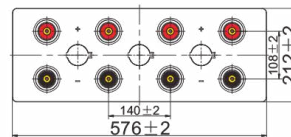
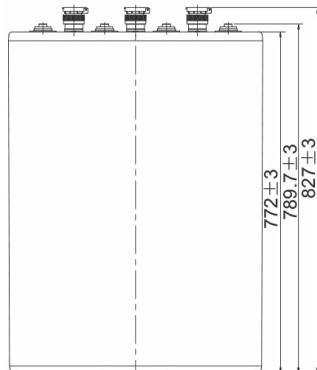
Applications

- 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	2451	2091	1607	1339	1143	891	731	623	548	443	370	208	—	—	—	—
1.75V/cell	2042	1789	1451	1236	1071	854	709	605	534	448	361	204	—	—	—	—
1.80V/cell	1669	1525	1285	1114	987	797	668	576	509	413	346	196	167.25	92.28	64.21	47.48
1.83V/cell	1468	1342	1155	1018	907	742	625	542	480	392	329	185	161.57	89.86	62.75	46.50
1.85V/cell	1333	1232	1072	947	845	693	586	509	453	373	314	176	156.11	87.47	61.30	45.55



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