

# STT Series-Tubular Flooded Batteries

STT2V800 (2V865AH)

## Specifications

<b>Nominal Voltage</b>	2V
<b>Nominal Capacity @ 77°F (25°C)</b>	865 AH (8 hr. to 1.75 V/cell) 1139 AH (48 hr. to 1.80 V/cell) 1278 AH (120 hr. to 1.85 V/cell) 1330 AH (240 hr. to 1.85 V/cell)
<b>Length</b>	8.27 inches (210mm)
<b>Width</b>	7.52 inches (191mm)
<b>Height (with vent cap)</b>	27.6 inches (701mm)
<b>Weight</b>	Without Electrolyte 105.8 lb. (48.0kg) With Electrolyte 141 lb. (64.0kg)
<b>Electrolyte / Cell</b>	35.2 lb. (16.0kg) 3.4 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. 0.41mΩ
<b>Short Circuit Current</b>	6200 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>	240 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.



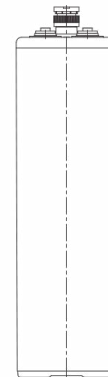
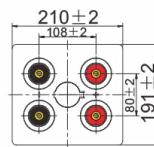
## Applications

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

STT2V800 (2V865AH)

## 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	700	587	450	364	304	234	193	161	141	111	96.3	52.0	–	–	–	–
1.75V/cell	609	524	417	343	291	228	188	157	137	108	92.9	51.1	–	–	–	–
1.80V/cell	503	441	363	310	268	214	179	151	134	107	90.6	50.3	45.11	25.26	17.73	13.19
1.83V/cell	434	387	327	284	248	200	169	144	129	104	87.4	48.6	43.36	24.49	17.26	12.87
1.85V/cell	392	351	304	264	231	188	162	139	125	100	85.0	47.3	41.71	23.73	16.79	12.56



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