

# STT Series Low Maintenance Tubular Flooded Batteries

OPzS 6 & 12 Volt Cells (55-330 Ah)

OPzS 2 Volt Cells (110-3,585 Ah)



Construction	
Positive Plate	High energy density tubular design with low antimony alloy for extended watering intervals
Negative Plate	Industry leading negative plate design
Separator	High-porosity and corrosion-resistant ensures maximum capacity for the lifetime of the cell
Container	Manufactured from Styrene-Acrylonitrile resin (SAN) which is durable and heat resistant
Terminal	Maintains an airtight seal even when the plates expand and grow throughout the lifetime of the cell
Gauntlet	Non-woven, high-capacity polyester gauntlet
Electrolyte	Acid density of 1.24kg/l ensures low self-discharge rates and long design life of the cell
Lid	Manufactured from Acrylonitrile-Butadiene-Styrene (ABS) which is durable and heat resistant

## Standard STT Kit Includes

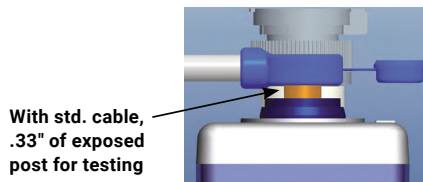
- Intercell-connector cables
- Jumper cable(s)
- Flip-top flame arrestor vent caps
- No-oxide grease
- Cell numbers
- Brass wire brush
- Utility funnel
- Installation & Operation Manual



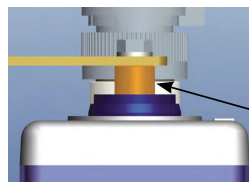
Flip-top, easy-fill, flame arrestor vent caps



Insulated flexible intercell connectors standard.



With std. cable, .33" of exposed post for testing



With optional bar, 0.5" of exposed post for testing

## Features

- High energy density
- Robust tubular positive electrode design, compliant with DIN 40736-1
- Minimal maintenance due to low antimony alloy and large electrolyte volume
- Operating temperature 15°C to +35°C
- Compliant with: IEC60896-11
- Low self discharge rate of approximately 3% per month at 20°C
- EUROBAT design life: Long Life > 12 years
- Fully recyclable with low CO2 footprint
- 20 year design life at 20°C
- 6&12V Blocs compliant with DIN 40737-3

## Applications

- Telecommunications
- Traffic Systems
- UPS Systems
- Emergency Lighting
- Electrical Switching





## Technical Data

Part No.	DIN Cell Type	Voltage (V)	Capacity (Ah)	Length (in)	Width (in)	Height over lid (in)	Height over pillar (in)	Dry weight (lb)	Filled weight (lb)	Internal Resistance (m0hm)	Short circuit current (A)	C10 - 1.8V Cell at 20°C
STT2V100	2 OPzS-100	2	100	4.06	8.11	13.98	14.49	18.30	29.32	0.95	1075	113
STT2V150	3 OPzS-150	2	150	4.06	8.11	13.98	14.49	23.15	33.73	0.94	1613	169
STT2V200	4 OPzS-200	2	200	4.06	8.11	13.98	14.49	28.44	39.02	0.89	2150	225
STT2V250	5 OPzS-250	2	250	4.88	8.11	13.98	14.49	34.17	46.96	0.74	2650	280
STT2V300	6 OPzS-300	2	300	5.71	8.11	13.98	14.49	40.34	55.56	0.63	3200	335
STT2V350	5 OPzS-350	2	350	4.88	8.11	18.54	19.06	44.09	60.41	0.67	2850	400
STT2V420	6 OPzS-420	2	420	5.71	8.11	18.54	19.06	51.59	73.41	0.57	3450	480
STT2V490	7 OPzS-490	2	490	6.54	8.11	18.54	19.06	58.86	81.35	0.5	4050	560
STT2V600	6 OPzS-600	2	600	5.71	8.11	25.47	25.98	70.77	90.61	0.47	4300	690
STT2V700	7 OPzS-700	2	700	5.71	8.11	25.47	25.98	94.80	125.66	0.35	5000	805
STT2V800	8 OPzS-800	2	800	8.27	7.52	25.47	25.98	99.21	133.16	0.33	5700	920
STT2V900	9 OPzS-900	2	900	8.27	9.17	25.47	25.98	115.74	157.63	0.27	6400	1035
STT2V1000	10 OPzS-1000	2	1000	8.27	9.17	25.47	25.98	120.15	162.26	0.27	7100	1150
STT2V1100	11 OPzS-1100	2	1100	8.27	10.83	25.47	25.98	131.18	184.09	0.23	7850	1265
STT2V1200	12 OPzS-1200	2	1200	8.27	10.83	25.47	25.98	140.65	191.14	0.23	8550	1380
STT2V1300	13 OPzS-1300	2	1300	8.27	10.83	25.47	25.98	149.91	200.62	0.23	9260	1450
STT2V1375	11 OPzS-1375	2	1375	8.27	10.83	31.38	31.89	157.63	223.77	0.23	7746	1513
STT2V1500	12 OPzS-1500	2	1500	8.27	10.83	31.38	31.89	169.98	232.81	0.23	8450	1650
STT2V1625	13 OPzS-1625	2	1625	8.27	10.83	31.38	31.89	180.78	244.49	0.22	9872	1788
STT2V1750	14 OPzS-1750	2	1750	8.43	15.71	30.39	30.91	206.13	294.32	0.17	10650	1925
STT2V1875	15 OPzS-1875	2	1875	8.43	15.71	30.39	30.91	214.95	314.16	0.17	11391	2062
STT2V2000	16 OPzS-2000	2	2000	8.43	15.71	30.39	30.91	228.84	322.32	0.17	12150	2200
STT2V2125	17 OPzS-2125	2	2125	8.43	15.71	30.39	30.91	244.49	332.24	0.15	12920	2338
STT2V2250	18 OPzS-2250	2	2250	8.43	15.71	30.39	30.91	254.85	341.94	0.15	13700	2475
STT2V2375	19 OPzS-2375	2	2375	8.35	19.17	30.39	30.91	268.96	379.20	0.13	14440	2613
STT2V2500	20 OPzS-2500	2	2500	8.35	19.17	30.39	30.91	281.09	394.19	0.13	15200	2750
STT2V2625	21 OPzS-2625	2	2625	8.35	22.64	30.39	30.91	291.23	422.63	0.12	15989	2888
STT2V2750	22 OPzS-2750	2	2750	8.35	22.64	30.39	30.91	305.12	442.69	0.11	16750	3025
STT2V2875	23 OPzS-2875	2	2875	8.35	22.64	30.39	30.91	310.85	441.81	0.11	17538	3163
STT2V3000	24 OPzS-3000	2	3000	8.35	22.64	30.39	30.91	324.30	460.99	0.11	18300	3300
STT2V3125	25 OPzS-3125	2	3125	8.35	22.64	30.39	30.91	338.19	470.69	0.11	19038	3438
STT2V3250	26 OPzS-3250	2	3250	8.35	22.64	30.39	30.91	351.64	489.43	0.11	19800	3575

Part No.	DIN Cell Type	Voltage (V)	Capacity (Ah)	Actual Capacity C10 1.80 VPC at 200C (Ah)	Length max. (in)	Width max. (in)	Height over lid max. (in)	Height over pillar max. (in)	Dry weight (lb)	Filled weight (lb)	Internal Resistance (m0hm)	Short circuit current (A)
STT6V150	6V 3 OPzS-150*	6	150	172	10.71	8.07	13.74	15.75	63.93	80.47	3.23	1884
STT6V200	6V 4 OPzS-200*	6	200	230	10.71	8.07	13.74	15.75	77.60	103.84	2.80	2150
STT6V250	6V 5 OPzS-250*	6	250	285	14.96	8.07	13.74	15.75	95.90	134.26	2.50	2620
STT6V300	6V 6 OPzS-300*	6	300	345	14.96	8.07	13.74	15.75	111.33	147.93	2.10	2960
STT12V50	12V 1 OPzS-50	12	50	58	10.71	8.07	13.74	15.75	53.79	83.11	18.20	670
STT12V100	12V 2 OPzS-100	12	100	115	10.71	8.07	13.74	15.75	83.11	108.91	9.40	1220
STT12V150	12V 3 OPzS-150	12	150	172	380	205	349	400	116.84	153.88	6.60	1800

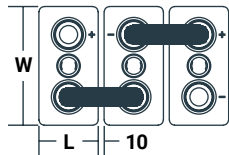
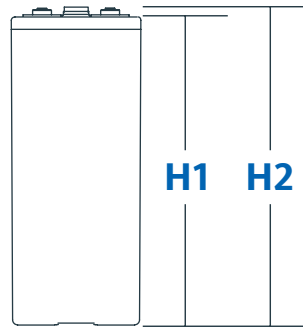
± 5% weight tolerance

\* 6V bloc batteries are manufactured in both type A and type B versions; see diagram below

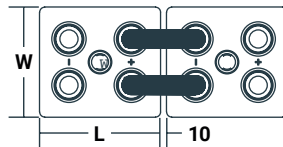


**H1: Height over lid**  
**H2: Height over pillar**  
**M10 threaded terminal**  
**Torque: 23Nm**

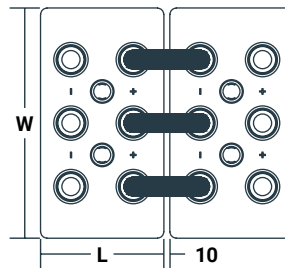
Not to scale



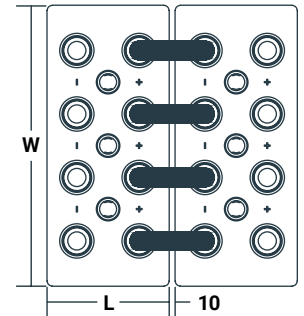
STT2V100 to  
STT2V700



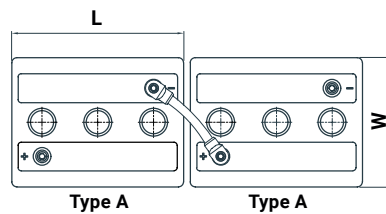
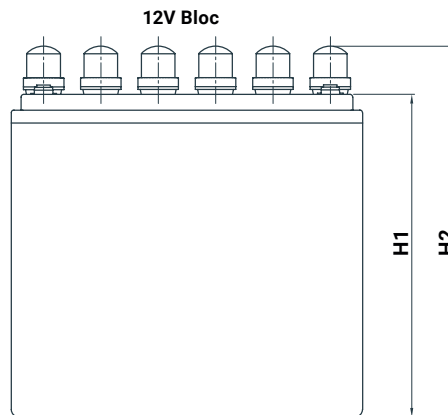
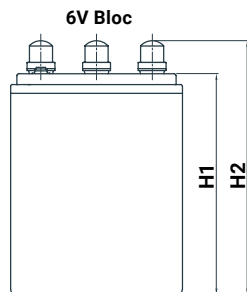
STT2V800 to  
STT2V1625



STT2V1750 to  
STT2V2250

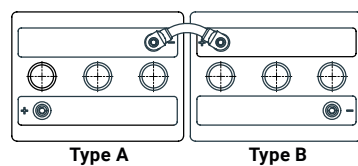


STT2V2375 to  
STT2V3250



Type A

Type A



Type A

Type B

