

# TS FLOODED STATIONARY BATTERIES



## SINGLE CELL CONSTRUCTION



Power Battery branded flooded stationary batteries are low maintenance, high performance products ideal for standby and cycling applications.

### FEATURES

- Cell type: flooded lead acid
- Design life: 15-20 years at 20°C float
- Grids: Positive – tubular lead antimony/selenium  
Negative – pasted lead antimony
- Container and cover: SAN, FR cover available
- Terminals: Internally threaded for M10 bolt.
- Torque for terminals: 25 Nm/222 in. lbs
- Post seal: EPDM
- Jar to cover seal: heat bonded
- Separators: PVC vipla, sleeved around the positive plate
- Intercell connectors: insulated copper
- Watering interval: 2-3 years in float applications at 25°C
- Sediment space: 0.6 inches/15 mm minimum
- Operating temperature: -20°C / -5°F to +60°C / +140°F
- Self discharge rate: < 3% per month @ 20°C / 68°F
- Electrolyte density, fully charged: 1.240
- Float voltage: 2.23 vpc
- Equalize voltage: 2.38 vpc
- Dry charged batteries: available
- Cycle capability: 80% DOD – 1200  
50% DOD – 2500  
25% DOD – 4000
- Racks: available in many styles, also seismic
- Spill containment: available in many designs
- Chargers: available for switchgear and UPS
- Battery monitoring: available

### APPLICATIONS

- Power Generation/Switchgear
- Emergency Lighting
- Telecommunications
- Renewable Energy
- UPS
- Railway

### ACCESSORIES

#### STANDARD

- Battery interunit and interrow connections
- Terminal hardware
- Hydrometer with holder and drip cup
- Vent mounted thermometer
- Cell numbers
- Lifting strap
- Flame arresting vent caps
- No-ox or similar grease
- Installation and operating instructions/drawing

#### OPTIONAL

- Racks
- Terminal lugs
- Hydrogen detector
- Eyewash
- Shower
- Electrolyte absorbent / neutralizing material
- Spill Containment systems
- Battery Monitoring systems
- Chargers

Power Battery Company, Inc.

(973) 523-8630 • [www.powerbattery.com](http://www.powerbattery.com)

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## SINGLE CELL CONSTRUCTION

### BATTERY SPECIFICATIONS

CELL MODEL	NOMINAL VOLTAGE	CAPACITY AT C/8 AH	I.R. MOHMS	DIMENSIONS (INCHES/MM)			WEIGHT (LBS/KGS)		ELECTROLYTE		TERMINALS M10 NUMBER
				LENGTH	WIDTH	HEIGHT	W/ELEC.	EMPTY	WEIGHT LB/KG	VOLUME G/L	
TS 100	2	99	1.57	4.1/103	8.1/206	16.9/430	33.4/15.2	20.9/9.5	12.5/5.7	1.3/4.6	2
TS 150	2	149	1.09	4.1/103	8.1/206	16.9/430	37.2/16.9	26.4/12.0	10.8/4.9	1.1/3.9	2
TS 200	2	198	0.96	4.1/103	8.1/206	16.9/430	40.7/18.5	31.7/14.4	9/4.1	0.88/3.3	2
TS 250	2	247	0.77	4.9/124	8.1/206	16.9/430	49.1/22.3	37.6/16.8	11.4/5.2	1.1/4.2	2
TS 300	2	297	0.64	5.7/145	8.1/206	16.9/430	57/25.9	43.3/19.7	13.6/6.2	1.3/5	2
TS 350	2	346	0.55	4.9/124	8.1/206	21.5/546	64.7/29.4	48.6/22.1	16.1/7.3	1.6/5.9	2
TS 420	2	415	0.46	5.7/145	8.1/206	21.5/546	75.5/34.3	55.4/25.2	20/9.1	1.9/7.3	2
TS 490	2	484	0.39	6.5/166	8.1/206	21.5/546	86.7/39.4	64.7/29.4	22/10	2.2/8.1	2
TS 600	2	605	0.43	5.7/145	8.1/206	28.4/721	104/747.6	76.3/34.7	28.4/12.9	2.8/10.4	2
TS 700	2	706	0.37	8.3/210	7.5/191	28.4/721	123.4/56.1	90.9/41.3	32.6/14.8	3.2/11.9	4
TS 800	2	807	0.33	8.3/210	7.5/191	28.4/721	104.4/63.8	104.7/47.6	35.6/16.2	3.5/13.1	4
TS 900	2	908	0.29	8.3/210	9.2/233	28.4/721	156.6/71.2	114.8/52.2	42/19.1	4.1/15.4	4
TS 1000	2	1008	0.26	8.3/210	9.2/233	28.4/721	174.9/79.5	128.7/58.5	46.2/21	4.5/16.9	4
TS 1100	2	1109	0.24	8.3/210	10.8/275	28.4/721	185/84.1	134.9/61.3	50.2/22.8	4.9/18.4	4
TS 1200	2	1210	0.22	8.3/210	10.8/275	28.4/721	198.7/90.3	144.5/65.7	54.1/24.6	5.3/19.8	4
TS 1500	2	1513	0.24	8.3/210	10.8/275	34.3/871	249/113.2	188.3/85.6	60.7/27.6	5.9/22.3	4
TS 1625	2	1639	0.22	8.4/214	15.7/399	33.3/847	275.4/125.2	209.7/95.3	65.8/29.9	6.4/24.1	6
TS 1750	2	1765	0.21	8.4/214	15.7/399	33.3/847	302/137.3	228.4/103.8	73.7/33.5	7.2/27	6
TS 1875	2	1891	0.19	8.4/214	15.7/399	33.3/847	324.3/147.4	241.1/109.6	83.2/37.8	8.1/30.5	6
TS 2000	2	2017	0.14	8.4/214	15.7/399	33.3/847	344.5/156.6	257.4/117	87.1/39.6	8.5/31.9	6
TS 2500	2	2521	0.11	8.3/212	19.2/487	33.3/847	432.1/196.4	322.7/146.7	109.3/49.7	10.7/40.1	8
TS 3000	2	3024	0.1	8.3/212	22.7/576	33.3/847	505.3/229.7	367.8/167.2	137.5/62.5	13.4/50.4	8



### FINAL VOLTAGE: 1.75 VPC

CELL MODEL	POS. PL	1.75 VPC								
		1 MIN.	30 MIN.	1 HR	2	3	5	8	10	20
TS100	2	118.7	70.4	50.4	33.6	26.0	18.1	13.0	10.7	6.2
TS150	3	178.0	105.4	75.6	50.4	38.9	27.3	19.5	16.1	9.2
TS200	4	237.2	140.6	100.8	67.6	52.2	36.2	26.0	21.4	12.4
TS250	5	296.5	175.8	126.3	84.5	65.1	45.2	32.4	26.8	15.4
TS300	6	356.0	210.8	151.5	101.5	78.2	54.3	39.0	32.1	18.5
TS350	5	326.6	213.9	165.3	114.2	90.7	64.1	45.4	37.4	21.8
TS420	6	392.0	256.6	198.5	137.1	108.9	77.0	54.5	44.9	26.3
TS490	7	457.3	299.3	231.4	159.9	127.1	89.9	63.5	52.4	30.7
TS600	6	629.4	399.3	298.1	205.3	158.4	110.3	79.5	65.5	37.2
TS700	7	734.0	465.9	347.8	239.5	184.8	128.6	92.7	76.4	43.3
TS800	8	839.0	532.4	397.4	273.7	211.3	147.0	105.9	87.4	49.5
TS900	9	944.0	599.0	447.2	308.0	237.6	165.4	119.2	98.3	55.7
TS1000	10	1049.0	665.6	496.9	342.2	264.1	183.8	132.4	109.2	61.8
TS1100	11	1154.0	732.2	546.5	376.4	290.4	202.1	145.6	120.1	68.0
TS1200	12	1259.0	798.7	596.2	410.6	316.9	220.5	158.9	131.0	74.2
TS1500	12	1181.3	859.1	680.1	483.2	381.8	272.9	198.7	163.8	91.8
TS1625	13	1278.9	930.7	736.8	523.5	413.6	295.7	215.1	177.5	99.3
TS1750	14	1378.1	1002.2	793.5	563.7	445.4	318.5	231.7	191.1	107.0
TS1875	15	1476.3	1073.8	850.2	604.1	477.2	341.1	248.2	204.8	114.7
TS2000	16	1575.0	1145.4	906.8	644.3	509.0	363.9	264.8	218.4	122.3
TS2500	20	1968.8	1431.8	1133.5	805.4	636.4	454.9	330.9	272.9	152.9
TS3000	24	2362.5	1718.2	1360.3	966.5	763.7	545.9	397.0	327.5	183.4

### FINAL VOLTAGE: 1.80 VPC

CELL MODEL	POS. PL	1.80 VPC								
		1 MIN.	30 MIN.	1 HR	2	3	5	8	10	20
TS100	2	105.4	65.0	47.9	32.3	24.9	17.5	12.8	10.5	6.1
TS150	3	158.1	97.5	71.8	48.4	37.4	26.3	19.1	15.8	9.1
TS200	4	210.8	130.0	95.8	64.6	49.8	35.0	25.5	21.0	12.1
TS250	5	263.6	162.5	119.7	80.7	62.3	43.7	31.5	26.3	15.1
TS300	6	316.1	195.1	143.6	96.9	74.7	52.5	38.2	31.5	18.2
TS350	5	233.3	175.0	143.9	106.9	84.2	61.2	44.5	36.8	21.3
TS420	6	280.0	210.0	172.6	128.3	101.1	73.5	53.4	44.1	25.5
TS490	7	326.7	245.0	201.4	149.7	117.9	85.8	62.4	51.5	29.8
TS600	6	469.1	333.0	264.4	188.5	148.2	104.6	76.3	63.0	36.1
TS6700	7	547.3	388.5	308.4	219.9	172.8	122.0	89.0	73.5	42.2
TS800	8	625.5	443.9	352.5	251.3	197.5	139.4	113.3	93.5	48.2
TS900	9	703.6	499.5	396.6	282.7	222.2	157.0	114.6	94.5	54.2
TS1000	10	781.8	554.9	440.6	314.1	246.9	174.4	127.3	105.0	60.3
TS1100	11	860.1	610.5	484.7	345.5	271.5	191.8	140.1	115.5	66.3
TS1200	12	938.2	665.9	528.7	376.8	296.2	209.3	152.8	126.0	72.2
TS1500	12	1009.1	733.8	599.6	443.0	357.9	257.8	190.9	157.5	88.6
TS1625	13	1093.1	795.0	649.5	479.9	387.8	279.2	206.9	170.6	96.0
TS1750	14	1177.1	856.1	699.5	516.8	417.6	300.7	222.7	183.8	103.3
TS1875	15	1261.3	917.3	749.5	553.7	447.4	321.9	238.7	196.9	110.8
TS2000	16	1345.1	978.4	799.5	590.6	477.2	343.7	254.6	210.0	118.1
TS2500	20	1681.7	1223.0	999.3	738.3	596.6	429.6	190.9	262.5	147.6
TS3000	24	2017.9	1467.6	1199.1	885.9	715.9	515.4	381.9	315.0	177.1

### TYPICAL TWO TIER SEISMIC RACK

