

## SANKALP PRODUCT SPECIFICATION

### DIN Specification Traction Cell

#### Positive plate Capacity SPz 115

Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 230	230	2	47	198	575	12.26
2	3 STW PzS 345	345	3	65	198	575	17.48
3	4 STW PzS 460	460	4	83	198	575	22.71
4	5 STW PzS 575	575	5	101	198	575	28.03
5	6 STW PzS 690	690	6	119	198	575	33.35
6	7 STW PzS 805	805	7	137	198	575	38.57
7	8 STW PzS 920	920	8	155	198	575	43.89
8	9 STW PzS 1035	1035	9	173	198	575	49.02
9	10 STW PzS 1150	1150	10	192	198	575	54.34

#### Positive plate Capacity SPz 125

Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 250	250	2	47	198	600	12.92
2	3 STW PzS 375	375	3	65	198	600	18.53
3	4 STW PzS 500	500	4	83	198	600	24.32
4	5 STW PzS 625	625	5	101	198	600	29.74
5	6 STW PzS 750	750	6	119	198	600	35.53
6	7 STW PzS 875	875	7	137	198	600	41.33
7	8 STW PzS 1000	1000	8	155	198	600	46.46
8	9 STW PzS 1125	1125	9	173	198	600	52.06
9	10 STW PzS 1250	1250	10	192	198	600	57.76

#### Positive plate Capacity SPz 140

Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 280	280	2	47	198	715	17.20
2	3 STW PzS 420	420	3	65	198	715	22.90
3	4 STW PzS 560	560	4	83	198	715	29.74
4	5 STW PzS 700	700	5	101	198	715	36.01
5	6 STW PzS 840	840	6	119	198	715	42.56
6	7 STW PzS 980	980	7	137	198	715	49.50
7	8 STW PzS 1120	1120	8	155	198	715	56.24
8	9 STW PzS 1260	1260	9	173	198	715	64.13
9	10 STW PzS 1400	1400	10	192	198	715	69.26

#### Positive plate Capacity SPz 155

Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 310	250	2	47	198	750	17.20
2	3 STW PzS 465	375	3	65	198	750	23.09
3	4 STW PzS 620	500	4	83	198	750	30.31
4	5 STW PzS 775	625	5	101	198	750	38.00
5	6 STW PzS 930	750	6	119	198	750	45.22
6	7 STW PzS 1085	875	7	137	198	750	52.54
7	8 STW PzS 1240	1000	8	155	198	750	59.85
8	9 STW PzS 1395	1125	9	173	198	750	67.27
9	10 STW PzS 1550	1250	10	192	198	750	73.34

An ISO Certified Concern



# SANKALP

EXCELLENCE | SAFETY | DURABILITY

### Sankalp India Solutions Private Limited

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# SANKALP

EXCELLENCE | SAFETY | DURABILITY



### SANKALP TRACTION BATTERIES

Features	Advantage Customer
Terminal comprises a threaded brass insert within lead casing with special seal	Leak proof arrangement during the operation
Bolt on connector	Individual cells can be quickly and easily removed for maintenance or replacement
Cells fitted with flip top plugs	It allows the gasses generated during charging to escape and cells can be topped with purified water and the electrolyte SG can be measured
Sankalp cells utilize long established proven Vented tubular technology	To provide harsh cyclic service life
Positive plates are a die-cast tubular spine grid fitted with a polyester gauntlet to retain active material & matching negative plates are flat-pasted type. A micro porous separator ribbed on one side is fitted between plates	For trouble free deep discharge operation up to 80% depth of discharge during cyclic operation
Cells are of the highest technical standard and incorporate the European harmonisation of the DIN and BS standards	Ranges comply with the requirements of both the DIN/EN 60254 and IEC 254-2 standards
Cell container and cover are of polypropylene with heat sealed	High impact and temperature resistant and prevents from electrolyte leakage

## SANKALP PRODUCT SPECIFICATION

### BS Specification Traction Cell

Positive plate Capacity BPz 32							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 96	96	3	61	158	292	6.56
2	4 STW PzB 128	128	4	77	158	292	8.27
3	5 STW PzB 160	160	5	93	158	292	10.17
4	6 STW PzB 192	192	6	109	158	292	11.88
5	7 STW PzB 224	224	7	125	158	292	13.68
6	8 STW PzB 256	256	8	141	158	292	15.49

Positive plate Capacity BPz 55							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 165	165	3	61	158	428	10.36
2	4 STW PzB 220	220	4	77	158	428	13.21
3	5 STW PzB 275	275	5	93	158	428	16.06
4	6 STW PzB 330	330	6	109	158	428	18.91
5	7 STW PzB 385	385	7	125	158	428	21.66
6	8 STW PzB 440	440	8	141	158	428	24.51
7	9 STW PzB 495	495	9	157	158	428	27.36
8	10 STW PzB 550	550	10	173	158	428	30.02
9	11 STW PzB 605	605	11	189	158	428	33.06
10	12 STW PzB 660	660	12	205	158	428	36.10

Positive plate Capacity BPz 75							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 225	225	3	61	158	541	13.49
2	4 STW PzB 300	300	4	77	158	541	17.20
3	5 STW PzB 375	375	5	93	158	541	20.81
4	6 STW PzB 450	450	6	109	158	541	24.61
5	7 STW PzB 525	525	7	125	158	541	28.31
6	8 STW PzB 600	600	8	141	158	541	32.11
7	9 STW PzB 675	675	9	157	158	541	35.63
8	10 STW PzB 750	750	10	173	158	541	39.43
9	11 STW PzB 825	825	11	189	158	541	43.13
10	12 STW PzB 900	900	12	205	158	541	45.98

Positive plate Capacity BPz 100							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 300	300	3	61	158	633	15.96
2	4 STW PzB 400	400	4	77	158	633	20.43
3	5 STW PzB 500	500	5	93	158	633	24.80
4	6 STW PzB 600	600	6	109	158	633	29.26
5	7 STW PzB 700	700	7	125	158	633	33.63
6	8 STW PzB 800	800	8	141	158	633	38.10
7	9 STW PzB 900	900	9	157	158	633	42.28
8	10 STW PzB 1000	1000	10	173	158	633	48.17
9	11 STW PzB 1100	1100	11	189	158	633	51.59
10	12 STW PzB 1200	1200	12	205	158	633	56.34

Positive plate Capacity BPz 42							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 126	126	3	61	158	358	8.46
2	4 STW PzB 168	168	4	77	158	358	10.74
3	5 STW PzB 210	210	5	93	158	358	13.11
4	6 STW PzB 252	252	6	109	158	358	15.39
5	7 STW PzB 294	294	7	125	158	358	17.77
6	8 STW PzB 336	336	8	141	158	358	20.05

Positive plate Capacity BPz 65							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 195	195	3	61	158	484	11.88
2	4 STW PzB 260	260	4	77	158	484	15.20
3	5 STW PzB 325	325	5	93	158	484	18.53
4	6 STW PzB 390	390	6	109	158	484	21.76
5	7 STW PzB 455	455	7	125	158	484	24.99
6	8 STW PzB 520	520	8	141	158	484	28.31
7	9 STW PzB 585	585	9	157	158	484	31.54
8	10 STW PzB 650	650	10	173	158	484	34.77
9	11 STW PzB 715	715	11	189	158	484	38.29
10	12 STW PzB 780	780	12	205	158	484	41.71

Positive plate Capacity BPz 85							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 255	255	3	61	158	597	15.39
2	4 STW PzB 340	340	4	77	158	597	19.48
3	5 STW PzB 425	425	5	93	158	597	23.75
4	6 STW PzB 510	510	6	109	158	597	27.93
5	7 STW PzB 595	595	7	125	158	597	32.11
6	8 STW PzB 680	680	8	141	158	597	36.48
7	9 STW PzB 765	765	9	157	158	597	40.47
8	10 STW PzB 850	850	10	173	158	597	44.84
9	11 STW PzB 935	935	11	189	158	597	49.12
10	12 STW PzB 1020	1020	12	205	158	597	53.87

Positive plate Capacity BPz 105							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	3 STW PzB 315	315	3	61	158	713	18.43
2	4 STW PzB 420	420	4	77	158	713	23.56
3	5 STW PzB 525	525	5	93	158	713	28.60
4	6 STW PzB 630	630	6	109	158	713	33.63
5	7 STW PzB 735	735	7	125	158	713	38.66
6	8 STW PzB 840	840	8	141	158	713	43.99
7	9 STW PzB 945	945	9	157	158	713	49.40
8	10 STW PzB 1050	1050	10	173	158	713	50.92
9	11 STW PzB 1155	1155	11	189	158	713	56.05
10	12 STW PzB 1260	1260	12	205	158	713	61.09

## SANKALP PRODUCT SPECIFICATION

### DIN Specification Traction Cell

Positive plate Capacity SPz 60							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 120	120	2	47	198	370	7.60
2	3 STW PzS 180	180	3	65	198	370	10.64
3	4 STW PzS 240	240	4	83	198	370	13.97
4	5 STW PzS 300	300	5	101	198	370	17.20
5	6 STW PzS 360	360	6	119	198	370	20.24
6	7 STW PzS 420	420	7	137	198	370	23.56
7	8 STW PzS 480	480	8	155	198	370	26.89
8	9 STW PzS 540	540	9	173	198	370	30.21
9	10 STW PzS 600	600	10	192	198	370	34.11

Positive plate Capacity SPz 80							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 160	160	2	47	198	435	8.84
2	3 STW PzS 240	240	3	65	198	435	12.64
3	4 STW PzS 320	320	4	83	198	435	16.34
4	5 STW PzS 400	400	5	101	198	435	20.43
5	6 STW PzS 480	480	6	119	198	435	24.04
6	7 STW PzS 560	560	7	137	198	435	28.03
7	8 STW PzS 640	640	8	155	198	435	32.68
8	9 STW PzS 720	720	9	173	198	435	38.00
9	10 STW PzS 800	800	10	192	198	435	42.28

Positive plate Capacity SPz 90							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 180	180	2	47	198	505	10.83
2	3 STW PzS 270	270	3	65	198	505	15.30
3	4 STW PzS 360	360	4	83	198	505	19.48
4	5 STW PzS 450	450	5	101	198	505	23.75
5	6 STW PzS 540	540	6	119	198	505	28.03
6	7 STW PzS 630	630	7	137	198	505	32.59
7	8 STW PzS 720	720	8	155	198	505	36.86
8	9 STW PzS 810	810	9	173	198	505	41.04
9	10 STW PzS 900	900	10	192	198	505	45.41

Positive plate Capacity SPz 105							
Sl. No	Battery Model	Ah@C5 at 27°C	No. of +ve Plates	Length (mm) +/- 2	Width (mm) +/- 2	Max. Height (mm) +/- 2	Filled Wt. Kg +/- 5%
1	2 STW PzS 210	210	2	47	198	560	10.83
2	3 STW PzS 315	315	3	65	198	560	15.30
3	4 STW PzS 420	420	4	83	198	560	19.48
4	5 STW PzS 525	525	5	101	198	560	23.75
5	6 STW PzS 630	630	6	119	198	560	28.03
6	7 STW PzS 735	735	7	137	198	560	32.59
7	8 STW PzS 840	840	8	155	198	560	36.86
8	9 STW PzS 945	945	9	173	198	560	41.04
9	10 STW PzS 1050	1050	10	192	198	560	45.41

Cell height up to lid = Maximum cell height – 30 mm