

Understanding the technology of Power



SUNNYWAY®

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Battery



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SHENZHEN SUNNYWAY BATTERY TECH CO.,LTD.



Sealed Lead Acid AGM & GEL Batteries



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Company History

胜利油田亿通电源有限责任公司
SHANDONG SUNNYWAY BATTERY TECH CO., LTD

- 1997, Established in shenzhen, and in 1999, Turnover reached USD 1 millions.
- 2000, Turnover USD 2.5 millions and established the plate factory in Heyuan city and began producing plate.
- 2003, Turnover USD 18 millions and workshop 15000m².
- 2005, Bought 100000m² land and increased the plate production capacity to 3000tons/month. Turnover reach USD 40 millions.
- 2009, Turnover 60 millions, become the stable supplier of Chinese Mobile, SAMSUNG etc.
- 2012, Expand New factory in Dongying, Shandong Province, workshop 45000m²
- 2016, Turnover USD 90 millions. The next 5 years, our turnover will increase about 10% ~ 20% every year.

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Strategic Partners





Lead Power production



Casting production



Automatic pasting line



Plate curing

EQUIPMENT



Auto assembly line

Battery Range

- General battery
- Electric Vehicle & Golf Car Battery
- Deep Cycle Battery
- Front Terminal Battery
- High Rate Battery
- Gel Battery
- Solar & Wind Power Battery
- Stationary Battery



General Battery



FEATURES:

- Low self-discharge
- Safety and reliability
- Widely operating temperature range (-40°C/-40°F to 65°C/149°F)
- Low floating current
- High consistency
- No memory effect
- Long life
- Flame-retardant ABS plastic case and cover compliant with U.L.1778V-0

STANDARDS:

- IEC61056-1/2:2002
- GB/T 19639.1 - 2005
- JIS C8702-1/2:2009
- EUROBAT GUIDE
- Installation compliant with EN50272-2

1. General Battery

1.1 Designed floating service life 3~5 years at 25°C /77°F

Model	Nominal Voltage (V)	Nominal Capacity C20(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SW4100	4	1	30	1.2	37.2	1.46	46.5	1.83	46.5	1.83	0.125	0.28	T89
SW425	4	2.5	76	2.99	26	1.02	53	2.09	53	2.09	0.25	0.55	T89
SW435	4	3.5	90	3.54	34	1.34	59	2.32	65	2.56	0.41	0.90	T0
SW440	4	4.0	48	1.89	47	1.85	101	3.98	106	4.17	0.48	1.06	T1
SW440	4	4.5	48	1.89	47	1.85	101	3.98	106	4.17	0.51	1.12	T1
SW4100	4	10.0	102	4.02	44	1.73	95	3.74	101	3.98	1.06	2.33	T1
SW4100	4	12.0	102	4.02	44	1.73	95	3.74	101	3.98	1.15	2.53	T1
SW610	6	1.0	51	2.01	42	1.65	51	2.01	56	2.20	0.26	0.57	T0
SW610(II)	6	1.0	51	2.01	42	1.65	51	2.01	56	2.20	0.26	0.57	T0
SW613	6	1.3	98	3.86	25	0.98	52	2.05	56	2.20	0.31	0.68	T0
SW623	6	2.0	43	1.69	37	1.46	75	2.95	75	2.95	0.32	0.70	T27
SW628	6	2.8	66	2.60	33	1.30	97	3.82	103	4.06	0.51	12.00	T0
SW632	6	3.2	66	2.60	33	1.30	120	4.72	125	4.92	0.57	1.26	T1
SW632	6	3.2	125	4.92	33	1.30	60	2.36	66	2.60	0.63	1.39	T0
SW633	6	3.3	134	5.28	34	1.34	60	2.36	66	2.60	0.63	1.39	T0
SW633	6	3.5	70	2.76	48	1.89	101	3.98	106	4.17	0.63	1.39	T0
SW635	6	3.5	134	5.28	34	1.34	60	2.36	66	2.60	0.65	1.43	T0
SW640	6	4.0	70	2.76	48	1.89	101	3.98	106	4.17	0.67	1.48	T1
SW640(II)	6	4.0	194.5	7.66	25.3	1.00	62	2.44	62	2.44	0.70	1.54	T1
SW640(III)	6	4.0	70	2.76	48	1.89	101	3.98	106	4.17	0.71	1.56	T1
SW645	6	4.5	70	2.76	48	1.89	101	3.98	106	4.17	0.77	1.70	T1
SW645	6	4.5	70	2.76	48	1.89	101	3.98	106	4.17	0.75	1.65	T1
SW645	6	4.5	70	2.76	48	1.89	101	3.98	106	4.17	0.73	1.61	T1
SW645	6	4.5	70	2.76	49	1.93	102	4.02	107	4.21	0.75	1.65	T2
SW650	6	5.0	70	2.76	48	1.89	101	3.98	106	4.17	0.78	1.72	T1/T2
SW650	6	5	70	2.76	48	1.89	101	3.98	106	4.17	0.80	1.76	T1
SW650	6	5	70	2.76	48	1.89	101	3.98	106	4.17	0.85	1.87	T1
SW650	6	5	67	2.64	67	2.64	96	3.78	114	4.49	0.85	1.87	T1/T38
SW650	6	5	170	6.69	35	1.38	70	2.76	76	2.99	0.92	2.03	T1
SW660	6	6.0	70	2.76	48	1.89	101	3.98	106	4.17	0.84	1.85	T1/T2
SW660 (II)	6	6.0	85	3.35	48	1.89	100	3.94	105	4.13	1.00	2.20	T1
SW670	6	7.0	151	5.94	34	1.34	94	3.70	100	3.94	1.20	2.64	T1/ T2
SW670(II)	6	7.0	151	5.94	34	1.34	94	3.70	100	3.94	1.10	2.42	T1/ T2
SW675	6	7.5	151	5.94	34	1.34	94	3.70	100	3.94	1.15	2.53	T1/ T2
SW680	6	8.0	151	5.94	34	1.34	94	3.70	100	3.94	1.15	2.53	T1/ T2
SW680(II)	6	8.0	151	5.94	50	1.97	94	3.70	100	3.94	1.30	2.86	T1/ T2
SW680(III)	6	8.0	98	3.86	56	2.20	118	4.65	118	4.65	1.30	2.86	T1/ T2
SW690	6	9.0	98	3.86	56	2.20	118	4.65	118	4.65	1.40	3.08	T1/ T2
SW690(II)	6	9.0	151	5.94	34	1.34	94	3.70	100	3.94	1.20	2.64	T1/ T2
SW6100	6	10.0	151	5.94	50	1.97	94	3.70	100	3.94	1.57	3.46	T1/ T2
SW6100(II)	6	10.0	151	5.94	50	1.97	94	3.70	100	3.94	1.67	3.68	T1/ T2
SW6120	6	12.0	151	5.94	50	1.97	94	3.70	100	3.94	1.70	3.74	T1/ T2
SW6140	6	14.0	108	4.25	70	2.76	140	5.51	140	5.51	2.30	5.07	TW10/T62
SW6140(II)	6	14.0	151	5.94	50	1.97	94	3.70	100	3.94	1.85	4.07	T0

Electric Vehicle & Golf Car Battery



FEATURES:

- Excellent starting performance
- Long cycle life
- Long discharge duration
- Excellent fast charge performance

APPLICATIONS:

- Electric bike
- Electric motorcycle
- Wheelchairs
- Electric toy
- Electric vehicle & Golf car
- Electric scorer
- Tourism car

STANDARDS:

- GB/T 18332.1 - 2009
- QC/T 742-2006
- IEC61982-3 2001-06
- GB/T 7403/1-2008
- GB/T 23636-2009

2. Electric Vehicle & Golf Car Battery

2.1 Electric Vehicle & Golf Car Battery (sealed), designed life 400 ~ 600 cycles at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity (1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SWE61800/C5	6	180.0	260	10.24	180	7.09	270	10.63	275	10.83	32.50	71.6	T20
SWE61900/C5	6	190.0	306	12.05	169	6.65	220	8.66	227	8.94	29.50	65.0	T19
SWE62000/C5	6	200.0	260	10.24	180	7.09	270	10.63	275	10.83	34.00	74.9	T20
SWE81500/C5	8	150.0	260	10.24	180	7.09	280	11.02	283	11.14	35.00	77.1	T19
SWE12100/C2	12	10.0	151	5.94	98	3.86	98	3.86	103	4.06	4.10	9.0	T251
SWE12120/C2	12	12.0	151	5.94	98	3.86	98	3.86	103	4.06	4.30	9.5	T73
SWE12200/C2	12	20.0	181	7.13	77	3.03	171	6.73	171	6.73	7.00	15.4	DT-1
SWE12300/C2	12	30	222	8.74	93	3.66	174	6.85	177	6.97	10.40	22.9	DT-1
SWE12350/C2	12	35	222	8.74	106	4.17	174	6.85	177	6.97	12.00	26.4	DT-2
SWE12400/C2	12	40	222	8.74	121	4.76	163	6.42	173	6.81	13.50	29.7	DT-2
SWE121000/C5	12	100	331	13.03	177	6.97	218.5	8.60	220	8.66	36.00	79.3	T16
SWE121200/C5	12	120	402	15.83	170	6.69	240	9.45	240	9.45	42.00	92.5	T60
SWE121500/C5	12	150	483	19.02	170	6.69	242	9.53	242	9.53	52.00	114.5	T50

2.2 Electric Vehicle & Golf Car Battery (flood), designed life 800 ~ 1000 cycles at 25°C/77°F

Model	Nominal Voltage (V)	Nominal Capacity CS(1.75V/Cell) (Ah)	External Dimension								Weight	
			Length		Width		Height		Total Height		kg	Lbs
			mm	inch	mm	inch	mm	inch	mm	inch		
SWT121200 (A+A+A)	12	140	360	14.2	172	6.8	277	10.9	297	11.7	40.00	1.57
SWT121200 (A+A)	12	130	360	14.2	172	6.8	277	10.9	297	11.7	39.00	1.54
SWT121200 (A+B)	12	120	360	14.2	172	6.8	259	10.2	279	11.0	37.00	1.46
SWT121100 (A)	12	110	360	14.2	172	6.8	259	10.2	279	11.0	35.00	1.38
SWT121000(B)	12	95	360	14.2	172	6.8	249	9.8	269	10.6	32.00	1.26
SWT12800(C)	12	80	360	14.2	172	6.8	235	9.3	255	10.0	29.50	1.16
SWT128500(C2)	12	85	360	14.2	172	6.8	249	9.8	279	11.0	31.00	1.22
SWT61500	6	150	260	10.2	182	7.2	286	11.3	286	11.3	27.00	1.06
SWT61800	6	180	260	10.2	182	7.2	286	11.3	286	11.3	29.50	1.16
SWT81500	8	150	250	9.8	190	7.5	290	11.4	290	11.4	33.00	1.30
SWT62400	6	240	360	14.2	172	6.8	259	10.2	272	10.7	35.00	1.38

Deep Cycle Battery



FEATURES :

- Excellent starting performance
- Long cycle life
- Long discharge duration
- Excellent fast charge performance

APPLICATIONS :

- UPS
- Electric motorcycle
- Wheelchairs
- Electric toy
- Electric vehicle
- Electric scooter
- Solar Systems

STANDARDS:

- IEC61056-1/2:2002
- GB/T 19639.1-2005
- JIS C8702-1/2:2009
- Eurobat Guide

3. Deep Cycle Battery

3.1 Designed floating life 5~7 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C20(1.75V/Cel) (Ah)	External Dimension							Weight		Terminal Type	
			Length		Width		Height		Total Height		kg		Lbs
			mm	inch	mm	inch	mm	inch	mm	inch			
SWE6120	6	12	151	5.94	51	2.01	94	3.70	100	3.94	2.1	4.6	T1
SWE6420	6	42	162	6.38	88	3.46	164	6.46	170	6.69	5.9	13.0	T251/T16
SWE1240	12	4	90	3.54	70	2.76	101	3.98	106	4.17	1.45	3.2	T1
SWE1250	12	5	90	3.54	70	2.76	101	3.98	106	4.17	1.7	3.7	T1
SWE1270	12	7	151	5.94	70	2.56	94	3.70	100	3.94	2.15	4.7	T1/T2
SWE1280	12	8	151	5.94	65	2.56	94	3.70	100	3.94	2.38	5.2	T2
SWE1290	12	9	151	5.94	65	2.56	94	3.70	100	3.94	2.4	5.3	T2
SWE12120	12	12	151	5.94	98	3.86	94	3.70	100	3.94	3.6	7.9	T251
SWE12140	12	14	151	5.94	98	3.86	94	3.70	100	3.94	4.1	9.0	T251
SWE12180	12	18	181	7.13	77	3.03	167	6.57	167	6.57	5.3	11.7	T3/T13
SWE12200	12	20	181	7.13	77	3.03	167	6.57	167	6.57	5.8	12.8	T3/T13
SWE12220	12	22	181	7.13	77	3.03	171	6.73	171	6.73	6.1	13.4	T3/T13
SWE12240	12	24	175	6.89	166	6.54	125	4.92	125	4.92	8	17.6	T4/T13
SWE12280	12	28	175	6.89	166	6.54	125	4.92	125	4.92	9	19.8	T4/T14

3.2 Designed floating life 10 ~ 12 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cel) (Ah)	External Dimension							Weight		Terminal Type	
			Length		Width		Height		Total Height		kg		Lbs
			mm	inch	mm	inch	mm	inch	mm	inch			
SWE61050	6	105	280	11.02	128	5.04	203	7.99	203	7.99	18.5	40.8	T19
SWE61200	6	120	195	7.68	170	6.69	207	8.15	212	8.35	18.5	40.8	T16
SWE61800	6	180	260	10.24	180	7.09	246	9.69	251	9.88	29	63.9	T19
SWE61900	6	190	306	12.05	169	6.65	223	8.78	228	8.98	27.5	60.6	T19
SWE62000	6	200	323	12.72	178	7.01	224	8.82	229	9.02	28.5	62.8	T19
SWE62250	6	225	243	9.57	188	7.40	275	10.83	275	10.83	34.5	76.1	T19
SWE12330	12	33	196	7.72	130	5.12	163	6.42	179	7.05	10	22.0	T16/T64
SWE12350	12	35	196	7.72	130	5.12	163	6.42	179	7.05	10.5	23.1	T16/T64
SWE12400	12	40	197	7.76	166	6.54	170	6.69	170	6.69	12.8	28.2	T9/T16
SWE12450	12	45	197	7.76	166	6.54	170	6.69	170	6.69	13.5	29.8	T9/T16
SWE12550	12	55	230	9.06	138	5.43	208	8.19	226	8.90	17.2	37.9	T9/T16
SWE12650	12	65	350	13.78	167	6.57	178	7.01	180	7.09	22	48.5	T9/T16
SWE12700	12	70	260	10.24	169	6.65	210	8.27	228	8.98	22.5	49.6	T9/T16
SWE12800	12	80	260	10.24	169	6.65	210	8.27	228	8.98	23.5	51.8	T9/T16
SWE12900	12	90	307	12.09	169	6.65	210	8.27	228	8.98	27	59.5	T10/T16
SWE121000	12	100	330	12.99	172	6.77	214	8.43	237	9.33	30.5	67.2	T10/T16
SWE121200	12	120	407	16.02	174	6.85	209	8.23	233	9.17	35	77.2	T10/T60
SWE121340	12	134	341	13.43	173	6.81	283	11.14	283	11.14	41	90.4	T19
SWE121500	12	150	484	19.06	171	6.73	241	9.49	241	9.49	44.5	98.1	T12/T50
SWE121600	12	160	534	21.02	207	8.15	215	8.46	239	9.41	49	108.0	T11/T16
SWE121800	12	180	534	21.02	207	8.15	215	8.46	239	9.41	53	116.8	T11/T16
SWE122000	12	200	522	20.55	240	9.45	216	8.50	242	9.53	60	132.3	T11/T19
SWE122300	12	230	520	20.47	268	10.55	220	8.66	249	9.80	66	145.5	T12/T19
SWE122500	12	250	520	20.47	268	10.55	220	8.66	249	9.80	70	154.3	T12/T19

3.3 2V Series, designed floating life at 25 °C/77°F: <200Ah, 8~10 years; ≥200Ah, 10~15 years

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SWE2500	2	50	160	6.30	49	1.93	166	6.54	176	6.93	3.20	7.0	T16
SWE21000	2	100	171	6.73	72	2.83	207	8.15	227	8.94	5.8	12.8	T16
SWE21500	2	150	172	6.77	102	4.02	206	8.11	227	8.94	8.5	18.7	T75
SWE21700	2	170	173	6.81	85	3.35	361	14.21	370	14.57	13.5	29.7	T36
SWE22000	2	200	172	6.77	111	4.37	330	12.99	365	14.37	13.6	30.0	T20
SWE22000	2	200	206	8.11	103	4.06	355	13.98	386	15.20	13.6	30.0	T20
SWE22500	2	250	171	6.73	151	5.94	330	12.99	356	14.02	18.2	40.1	T20
SWE22500	2	250	206	8.11	125	4.92	355	13.98	386	15.20	18	39.6	T37
SWE23000	2	300	171	6.73	151	5.94	330	12.99	356	14.02	19.5	43.0	T20
SWE23000	2	300	206	8.11	145	5.71	355	13.98	386	15.20	20	44.1	T37
SWE23500	2	350	211	8.31	176	6.93	330	12.99	356	14.02	24.5	54.0	T20
SWE23500	2	350	206	8.11	125	4.92	471	18.54	501	19.72	25	55.1	T37
SWE24000	2	400	211	8.31	176	6.93	330	12.99	366	14.41	26.8	59.0	T20
SWE24200	2	420	206	8.11	145	5.71	471	18.54	501	19.72	28	61.7	T37
SWE24500	2	450	242	9.53	172	6.77	331	13.03	356	14.02	30	66.1	T20
SWE25000	2	500	242	9.53	172	6.77	331	13.03	366	14.41	32	70.5	T20
SWE26000	2	600	301	11.85	175	6.89	331	13.03	356	14.02	39.5	87.0	T20
SWE26000	2	600	206	8.11	145	5.71	645	25.39	675	26.57	36	79.3	T37
SWE28000	2	800	411	16.18	175	6.89	330	12.99	366	14.41	53	116.7	T20
SWE210000	2	1000	475	18.70	175	6.89	330	12.99	356	14.02	64	141.0	T20
SWE215000	2	1500	401	15.79	351	13.82	342	13.46	369	14.53	100	220.3	T20
SWE220000	2	2000	491	19.33	351	13.82	344	13.54	383	15.08	131	288.5	T20
SWE250000	2	2500	712	28.03	353	13.90	343	13.50	383	15.08	176	387.7	T20
SWE230000	2	3000	712	28.03	353	13.90	343	13.50	383	15.08	196	431.7	T20

Front Terminal Battery



FEATURES :

- Long design life; Safely and reliability
- Convenient to use and support

APPLICATIONS :

- UPS; Marine equipment
- Telecommunications; Engine starting
- Emergency lighting; Control equipment
- Fire and security system; Computer
- Electric power switching system
- Microprocessor based office machines
- Photovoltaic&solar&wind power system

STANDARDS:

- IEC60896-21/22:2004
- BS 6290-4:1997; YD/T2343-2011
- Eurobat guide
- Installation compliant with EN50272-2

4. Front Terminal Battery

Designed floating life 10 ~ 12 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SWF12400	12	40.0	277	10.91	106	4.17	222	8.74	222	8.74	15.00	33.0	T102
SWF12550	12	55.0	277	10.91	106	4.17	222	8.74	222	8.74	17.00	37.4	T102
SWF12750	12	75.0	562	22.13	114	4.49	188	7.40	188	7.40	27.00	59.5	T102
SWF12800	12	80.0	394	15.51	109	4.29	285	11.22	285	11.22	28.00	61.7	T46
SWF121000	12	100.0	394	15.51	109	4.29	285	11.22	285	11.22	32.50	71.6	T46
SWF121050	12	105.0	508	20.00	110	4.33	210	8.27	227	8.94	30.50	67.2	T16
SWF121100	12	110.0	508	20.00	110	4.33	210	8.27	227	8.94	31.00	68.3	T16
SWF121050	12	105.0	394	15.51	109	4.29	285	11.22	285	11.22	33.00	72.7	T46
SWF12110	12	110.0	394	15.51	109	4.29	285	11.22	285	11.22	33.50	73.8	T46
SWF121200	12	120.0	551	21.69	109	4.29	239	9.41	239	9.41	37.00	83.7	T46
SWF121250	12	125.0	437	17.20	108	4.25	317	12.48	323	12.72	39.00	85.9	T46
SWF121500	12	150.0	551	21.69	110	4.33	289	11.38	289	11.38	46.00	101.3	T46
SWF121500(II)	12	150.0	551	21.69	110	4.33	289	11.38	289	11.38	50.00	110.1	T46
SWF121550	12	155.0	547	21.54	125	4.92	317	12.48	317	12.48	56.00	123.3	T 自配
SWF121800	12	180.0	547	21.54	125	4.92	317	12.48	317	12.48	54.00	118.9	T 自配
SWF121800	12	180	560	22.05	125	4.92	316	12.44	316	12.44	54.00	118.9	T 自配
SWF121800	12	180	560	22.05	125	4.92	316	12.44	316	12.44	60.00	132.2	T 自配
SWF121900	12	190	560	22.05	125	4.92	316	12.44	316	12.44	54.50	120.0	T 自配

High Rate Battery



FEATURES:

- High power and high energy density
- High charge acceptance
- Low internal resistance

APPLICATIONS:

- UPS
- Computer
- Power tools
- Engine starting
- Portable power supply
- Electric power switching system

STANDARDS:

- IEC61056-1/2:2002
- GB/T 19639.1-2005
- JIS C8702-1/2:2009
- Eurobat Guide

5. High Rate Battery

Designed floating life 7 ~ 9 years at 25 °C/77°F

Model	Nominal Voltage (V)	High power rate Watt (1.67V/Cell) (15min)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SW1223W	12	23W	90	3.54	70	2.76	101	3.98	101	3.98	1.65	3.6	T1
SW1223W	12	23W	140	5.51	48	1.89	102	4.02	101	3.98	1.65	3.6	T1
SW1225W	12	25W	151	5.94	52	2.05	94	3.70	100	3.94	1.90	4.2	T1
SW1235W	12	35W	151	5.94	65	2.56	94	3.70	100	3.94	2.10	4.6	T1
SW1234W	12	34W	151	5.94	65	2.56	94	3.70	100	3.94	2.38	5.2	T1
SW1251W	12	51W	151	5.94	98	3.86	94	3.70	100	3.94	3.95	8.7	T251
SW1280W	12	80W	181	7.13	77	3.03	167	6.57	167	6.57	5.90	13.0	T3A/T13
SW12106W	12	106W	166	6.54	125	4.92	175	6.89	182	7.17	10.00	22.03	T66
SW12145W	12	145W	196	7.72	131	5.16	163	6.42	180	7.09	11.20	24.67	T16
SW12150W	12	150W	196	7.72	166	6.54	171	6.73	171	6.73	13.80	30.40	T16
SW12170W	12	170W	230	9.06	138	5.43	211	8.31	229	9.02	17.00	37.44	T16
SW12205W	12	205W	230	9.06	138	5.43	211	8.31	229	9.02	18.00	39.65	T16
SW12200W	12	200W	196	7.72	166	6.54	171	6.73	171	6.73	14.50	31.94	T16
SW12280W	12	280W	260	10.24	169	6.65	211	8.31	229	9.02	23.50	51.76	T16
SW12300W	12	300W	260	10.24	169	6.65	211	8.31	229	9.02	25.00	55.07	T16
SW12310W	12	310W	307	12.09	169	6.65	211	8.31	229	9.02	27.50	60.57	T16
SW12335W	12	335W	307	12.09	169	6.65	211	8.31	229	9.02	29.50	64.98	T16
SW12360W	12	360W	307	12.09	169	6.65	211	8.31	229	9.02	30.50	67.18	T16
SW12380W	12	380W	331	13.03	173	6.81	213	8.39	233	9.17	31.50	69.38	T85
SW12430W	12	430W	331	13.03	173	6.81	213	8.39	233	9.17	33.50	73.79	T85
SW12540W	12	540W	341	13.43	173	6.81	281	11.06	287	11.30	45.00	99.12	T85
SW12540W	12	540W	484	19.06	171	6.73	241	9.49	241	9.49	42.00	92.5	T50/T12
SW12750W	12	750W	522	20.55	240	9.45	216	8.50	221	8.70	65.00	143.17	T19
SW6620W	6	620W	323	12.72	178	7.01	224	8.82	227	8.94	29.50	64.98	T85
SW6770W	6	770W	323	12.72	178	7.01	224	8.82	227	8.94	31.50	69.38	T85

GEL Battery



FEATURES:

- High reliability and stable quality
- Long deep cycle life
- High charge acceptance
- Unique structure design
- Extremely low self-discharge
- High performance-price ratio

APPLICATIONS:

- UPS(uninterruptible power supplies)
- Engine starting
- Emergency lighting
- Control equipment
- Medical equipment
- Vacuum cleaner
- Instrumentation
- Telecommunications
- Fire and security system
- Computer
- Alarm system
- Marine equipment
- Electric power switching system
- Microprocessor based office machines
- Cordless telephone
- Portable power supply
- Photovoltaic&solar&wind power system

STANDARDS:

- IEC 60896-21/22:2004
- DIN43539-T5 1984
- IEC 61427-2005
- YD/T1360-2005
- GB/T 22473-2008

6. GEL Battery

Designed floating life at 25 °C/77°F : 12V,10 ~ 12 years; 2V, 15~18 years

Model	Nominal Voltage (V)	Nominal Capacity C ₂₀ (1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SWG12280	12	28	175	6.89	166	6.54	125	4.92	125	4.92	9.00	19.8	T4/T13
SWG12310	12	31	196	7.72	131	5.16	155	6.10	175	6.89	10.50	23.1	T64/T16
SWG12400	12	40	196	7.72	166	6.54	171	6.73	171	6.73	13.80	30.4	T9/T16
SWG12500	12	50	230	9.06	138	5.43	208	8.19	228	8.98	17.80	39.2	T9/T16
SWG12600	12	60	350	13.78	166	6.54	179	7.05	179	7.05	22.80	50.2	T9/T16
SWG12650	12	65	350	13.78	166	6.54	179	7.05	179	7.05	23.00	50.7	T9/T16
SWG12700	12	70	260	10.24	169	6.65	208	8.19	228	8.98	24.50	54.0	T33/T16
SWG12800	12	80	307	12.09	169	6.65	208	8.19	228	8.98	29.00	63.9	T9/T16
SWG12880	12	88	307	12.09	169	6.65	208	8.19	228	8.98	31.50	69.4	T10/T16
SWG121000	12	100	331	13.03	173	6.81	213	8.39	233	9.17	34.00	74.9	T10/T16
SWG121200	12	120	407	16.02	174	6.85	209	8.23	233	9.17	37.00	81.5	T11/T16
SWG121330	12	133	484	19.06	171	6.73	241	9.49	241	9.49	45.00	99.1	T12/T50
SWG121500	12	150	484	19.06	171	6.73	241	9.49	241	9.49	50.30	110.8	T12/T50
SWG121600	12	160	530	20.87	209	8.23	214	8.43	244	9.61	53.50	117.8	T60/T11
SWG122000	12	200	522	20.55	240	9.45	216	8.50	236	9.29	65.00	143.2	T11/T19
SWG122350	12	235	520	20.47	268	10.55	216	8.50	236	9.29	75.50	166.3	T11/T19
SWG2500	2	50	160	6.30	49	1.93	166	6.54	176	6.93	3.20	7.0	T16
SWG21000	2	100	171	6.73	72	2.83	206	8.11	227	10.83	6.40	14.1	T16
SWG21500	2	150	172	6.77	102	4.02	206	8.11	227	8.94	9.00	18.7	T60
SWG22000	2	200	172	6.77	111	4.37	330	12.99	356	14.02	14.00	30.8	T20
SWG22000	2	200	172	6.77	111	4.37	330	12.99	356	14.02	15.50	34.1	T20
SWG23000	2	300	171	6.73	151	5.94	330	12.99	356	14.02	20.50	45.2	T20
SWG23000	2	300	171	6.73	151	5.94	330	12.99	356	14.02	21.50	47.4	T20
SWG24000	2	400	211	8.31	176	6.93	330	12.99	367	14.45	27.50	60.6	T20
SWG24000	2	400	211	8.31	176	6.93	330	12.99	367	14.45	29.50	60.6	T20
SWG25000	2	500	242	9.53	172	6.77	331	13.03	356	14.02	33.50	73.8	T20
SWG26000	2	600	301	11.85	175	6.89	331	13.03	356	14.02	41.00	90.3	T20
SWG28000	2	800	411	16.18	175	6.89	330	12.99	356	14.02	55.00	121.1	T20
SWG210000	2	1000	475	18.70	175	6.89	330	12.99	356	14.02	66.50	146.5	T20
SWG215000	2	1500	401	15.79	351	13.82	342	13.46	369	14.53	103.50	228.0	T20
SWG220000	2	2000	491	19.33	351	13.82	344	13.54	369	14.53	136.00	299.6	T20
SWG230000	2	3000	712	28.03	353	13.90	343	13.50	369	14.53	203.50	448.2	T20

Solar & Wind Power Battery



7. Solar & Wind Power Battery

7.1 Designed life 3 ~ 5 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C ₂₀ (1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SW640E	6	4	70	2.76	48	1.89	101	3.98	106	4.17	0.71	1.6	T1
SW650E	6	5	70	2.76	48	1.89	101	3.98	106	4.17	0.76	1.7	T1
SW670E	6	7	151	5.94	34	1.34	94	3.70	100	3.94	1.07	2.4	T1
SWE6120E	6	12	151	5.94	51	2.01	94	3.70	100	3.94	2.1	4.6	T1
SW6140E	6	14	151	5.94	50	1.97	94	3.70	100	3.94	1.85	4.1	T1
SW6420E	6	42	162	6.38	88	3.46	164	6.46	170	6.69	5.9	13.0	T2S1/T16
SW1240E	12	4	90	3.54	70	2.76	101	3.98	106	4.17	1.45	3.2	T1
SW1250E	12	5	90	3.54	70	2.76	101	3.98	106	4.17	1.7	3.7	T1
SW1270E	12	7	151	5.94	65	2.56	94	3.70	100	3.94	2.15	4.7	T1/T2
SW1275E	12	8	151	5.94	65	2.56	94	3.70	100	3.94	2.25	5.0	T1/T2
SW1280E	12	8	151	5.94	65	2.56	94	3.70	100	3.94	2.38	5.2	T2
SW1290E	12	9	151	5.94	65	2.56	94	3.70	100	3.94	2.4	5.3	T2
SW12120E	12	12	151	5.94	98	3.86	94	3.70	100	3.94	3.6	7.9	T2S1
SW12140E	12	14	151	5.94	98	3.86	94	3.70	100	3.94	3.7	8.2	T2S1
SW12180E	12	18	181	7.13	77	3.03	167	6.57	167	6.57	5.3	11.7	T3/T13
SW12200E	12	20	181	7.13	77	3.03	167	6.57	167	6.57	5.8	12.8	T3/T13
SW12220E	12	22	181	7.13	77	3.03	171	6.73	171	6.73	6.1	13.4	T3/T13
SW12240E	12	24	175	6.89	166	6.54	125	4.92	125	4.92	7.4	16.3	T4/T13
SW12280E	12	28	175	6.89	166	6.54	125	4.92	125	4.92	9	19.8	T4/T14

FEATURES:

- Long cycle life
- Wide operating temperature range
- High charge acceptance

APPLICATIONS:

- Telecommunications
- Power storage
- Portable power supply
- Photovoltaic & solar power system
- Wind power system

STANDARDS:

- IEC61056-1/2:2002
- GB/T 19639.1-2005
- JIS C8702-1/2:2009
- Eurobat Guide

7.2 Designed life 5 ~ 7 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C ₁₀ (1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SW61050E	6	105	280	11.02	128	5.04	203	7.99	203	7.99	18.5	40.8	T19
SW61200E	6	120	195	7.68	170	6.69	207	8.15	212	8.35	18.5	40.8	T16
SW61800E	6	180	260	10.24	180	7.09	246	9.69	251	9.88	29	63.9	T19
SW61900E	6	190	306	12.05	169	6.65	223	8.78	228	8.98	27.5	60.6	T19
SW62000E	6	200	323	12.72	178	7.01	224	8.82	229	9.02	28.5	62.8	T19
SW62250E	6	225	243	9.57	188	7.40	275	10.83	275	10.83	34.5	76.1	T19
SW12330E	12	33	196	7.72	130	5.12	163	6.42	179	7.05	10	22.0	T16/T64
SW12350E	12	35	196	7.72	130	5.12	163	6.42	179	7.05	10.2	22.5	T16/T64
SW12400E	12	40	197	7.76	166	6.54	170	6.69	170	6.69	12.5	27.6	T9/T16
SW12450E	12	45	197	7.76	166	6.54	170	6.69	170	6.69	13.5	29.8	T9/T16
SW12550E	12	55	230	9.06	138	5.43	208	8.19	226	8.90	17.2	37.9	T9/T16
SW12650E	12	65	350	13.78	167	6.57	178	7.01	180	7.09	21	46.3	T9/T16
SW12700E	12	70	260	10.24	169	6.65	210	8.27	228	8.98	21.5	47.4	T9/T16
SW12800E	12	80	260	10.24	169	6.65	210	8.27	228	8.98	23	50.7	T9/T16
SW12900E	12	90	307	12.09	169	6.65	210	8.27	228	8.98	27	59.5	T10/T16
SW121000E	12	100	330	12.99	172	6.77	214	8.43	237	9.33	30.5	67.2	T10/T16
SW121200E	12	120	407	16.02	174	6.85	209	8.23	233	9.17	35	77.2	T10/T60
SW121340E	12	134	341	13.43	173	6.81	283	11.14	283	11.14	41	90.4	T19
SW121500E	12	150	484	19.06	171	6.73	241	9.49	241	9.49	42.5	93.7	T12/T50
SW121600E	12	160	534	21.02	207	8.15	215	8.46	239	9.41	49	108.0	T11/T16
SW121800E	12	180	534	21.02	207	8.15	215	8.46	239	9.41	53	116.8	T11/T16
SW122000E	12	200	522	20.55	240	9.45	216	8.50	242	9.53	60	132.3	T11/T19
SW122300E	12	230	520	20.47	268	10.55	220	8.66	249	9.80	66	145.5	T12/T19
SW122500E	12	250	520	20.47	268	10.55	220	8.66	249	9.80	70	154.3	T12/T19

7.3 2V series, designed life at 25 °C/77°F: <200Ah, 8~10 years; ≥200Ah, 10~12 years

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SW2500E	2	50	160	6.30	49	1.93	166	6.54	176	6.93	3.20	7.0	T16
SW21000E	2	100	171	6.73	72	2.83	207	8.15	227	8.94	5.8	12.8	T16
SW21500E	2	150	172	6.77	102	4.02	206	8.11	227	8.94	8.5	18.7	T16
SW21700E	2	170	173	6.81	85	3.35	361	14.21	370	14.57	13.5	29.7	T36
SW22000E	2	200	172	6.77	111	4.37	330	12.99	365	14.37	12.6	27.8	T20
SW22500E	2	250	171	6.73	151	5.94	330	12.99	356	14.02	17	37.4	T20
SW22500E	2	250	206	8.11	125	4.92	355	13.98	386	15.20	18	39.6	T37
SW23000E	2	300	171	6.73	151	5.94	330	12.99	356	14.02	18.5	40.7	T20
SW23000E	2	300	206	8.11	145	5.71	355	13.98	386	15.20	20	44.1	T37
SW23500E	2	350	211	8.31	176	6.93	330	12.99	356	14.41	25	55.1	T20
SW23500E	2	350	206	8.11	125	4.92	471	18.54	501	19.72	25	55.1	T37
SW24000E	2	400	211	8.31	176	6.93	330	12.99	366	14.41	25	55.1	T20
SW24200E	2	420	206	8.11	145	5.71	471	18.54	501	19.72	28	61.7	T37
SW24500E	2	450	242	9.53	172	6.77	331	13.03	356	14.02	28.5	62.8	T20
SW25000E	2	500	242	9.53	172	6.77	331	13.03	366	14.41	30	66.1	T20
SW26000E	2	600	301	11.85	175	6.89	331	13.03	356	14.02	36.5	80.4	T20
SW26000E	2	600	206	8.11	145	5.71	645	25.39	675	26.57	36	79.3	T37
SW28000E	2	800	411	16.18	175	6.89	330	12.99	366	14.41	50	110.1	T20
SW210000E	2	1000	475	18.70	175	6.89	330	12.99	356	14.02	61.5	135.5	T20
SW215000E	2	1500	401	15.79	351	13.82	342	13.46	369	14.53	92	202.6	T20
SW220000E	2	2000	491	19.33	351	13.82	344	13.54	383	15.08	122	268.7	T20
SW250000E	2	2500	712	28.03	353	13.90	343	13.50	383	15.08	165	363.4	T20
SW230000E	2	3000	712	28.03	353	13.90	343	13.50	383	15.08	181	398.7	T20

Stationary Battery



8. Stationary Battery

FEATURES:

- Tubular plate
- long life
- Maintenance-free
- High reliability

APPLICATIONS:

- Power storage
- Telecommunication
- UPS
- Instrumentation
- Photovoltaic&solar&wind power system

STANDARDS:

- IEC60896-21/22:2004
- IEC61427-2005
- DIN43539-T5 1984
- DIN40742:1999
- BSEN61427-2002
- YD/T 1360-2005
- GB/T 22473-2008

8.1 2V OPzV sealed series, designed floating life 12~18 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
3OPZV150	2	150	103	4.06	206	8.11	355	13.98	399	15.71	16.00	35.2	2
4OPZV200	2	200	103	4.06	206	8.11	355	13.98	399	15.71	18.00	39.6	2
5OPZV250	2	250	124	4.88	206	8.11	355	13.98	399	15.71	22.00	48.5	2
6OPZV300	2	300	145	5.71	206	8.11	355	13.98	399	15.71	26.00	57.3	2
5OPZV350	2	350	124	4.88	206	8.11	471	18.54	512	20.16	29.00	63.9	2
6OPZV420	2	420	145	5.71	206	8.11	471	18.54	512	20.16	34.00	74.9	2
7OPZV490	2	490	166	6.54	206	8.11	471	18.54	512	20.16	39.00	85.9	2
6OPZV600	2	600	145	5.71	206	8.11	647	25.47	688	27.09	45.00	99.1	2
8OPZV800	2	800	191	7.52	210	8.27	647	25.47	688	27.09	59.00	130.0	4
10OPZV1000	2	1000	233	9.17	210	8.27	647	25.47	688	27.09	73.00	160.8	4
12OPZV1200	2	1200	275	10.83	210	8.27	647	25.47	688	27.09	87.00	191.6	4
12OPZV1500	2	1500	275	10.83	210	8.27	797	31.38	838	32.99	106.00	233.5	6
16OPZV2000	2	2000	397	15.63	212	8.35	772	30.39	813	32.01	140.00	308.4	6
20OPZV2500	2	2500	487	19.17	212	8.35	772	30.39	847	33.35	181.00	398.7	6
24OPZV3000	2	3000	576	22.68	212	8.35	772	30.39	813	32.01	220.00	484.6	6

8.2 2V OPzS flooded series, designed life 12~18 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
3OPZS150	2	150	103	4.06	206	8.11	355	13.98	399	15.71	10.00	22.0	2
4OPZS200	2	200	103	4.06	206	8.11	355	13.98	399	15.71	12.00	26.4	2
5OPZS250	2	250	124	4.88	206	8.11	355	13.98	399	15.71	15.00	33.0	2
6OPZS300	2	300	145	5.71	206	8.11	355	13.98	399	15.71	18.00	39.6	2
5OPZS350	2	350	124	4.88	206	8.11	471	18.54	512	20.16	20.00	44.1	2
6OPZS420	2	420	145	5.71	206	8.11	471	18.54	512	20.16	23.00	50.7	2
7OPZS490	2	490	166	6.54	206	8.11	471	18.54	512	20.16	26.00	57.3	2
6OPZS600	2	600	145	5.71	206	8.11	647	25.47	688	27.09	30.00	66.1	2
8OPZS800	2	800	191	7.52	210	8.27	647	25.47	688	27.09	41.00	90.3	4
10OPZS1000	2	1000	233	9.17	210	8.27	647	25.47	688	27.09	52.00	114.5	4
12OPZS1200	2	1200	275	10.83	210	8.27	647	25.47	688	27.09	62.00	136.6	4
12OPZS1500	2	1500	275	10.83	210	8.27	797	31.38	838	32.99	74.00	163.0	6
16OPZS2000	2	2000	397	15.63	212	8.35	772	30.39	813	32.01	96.00	211.5	6
20OPZS2500	2	2500	487	19.17	212	8.35	772	30.39	847	33.35	122.00	268.7	6
24OPZS3000	2	3000	576	22.68	212	8.35	772	30.39	813	32.01	144.00	317.2	6

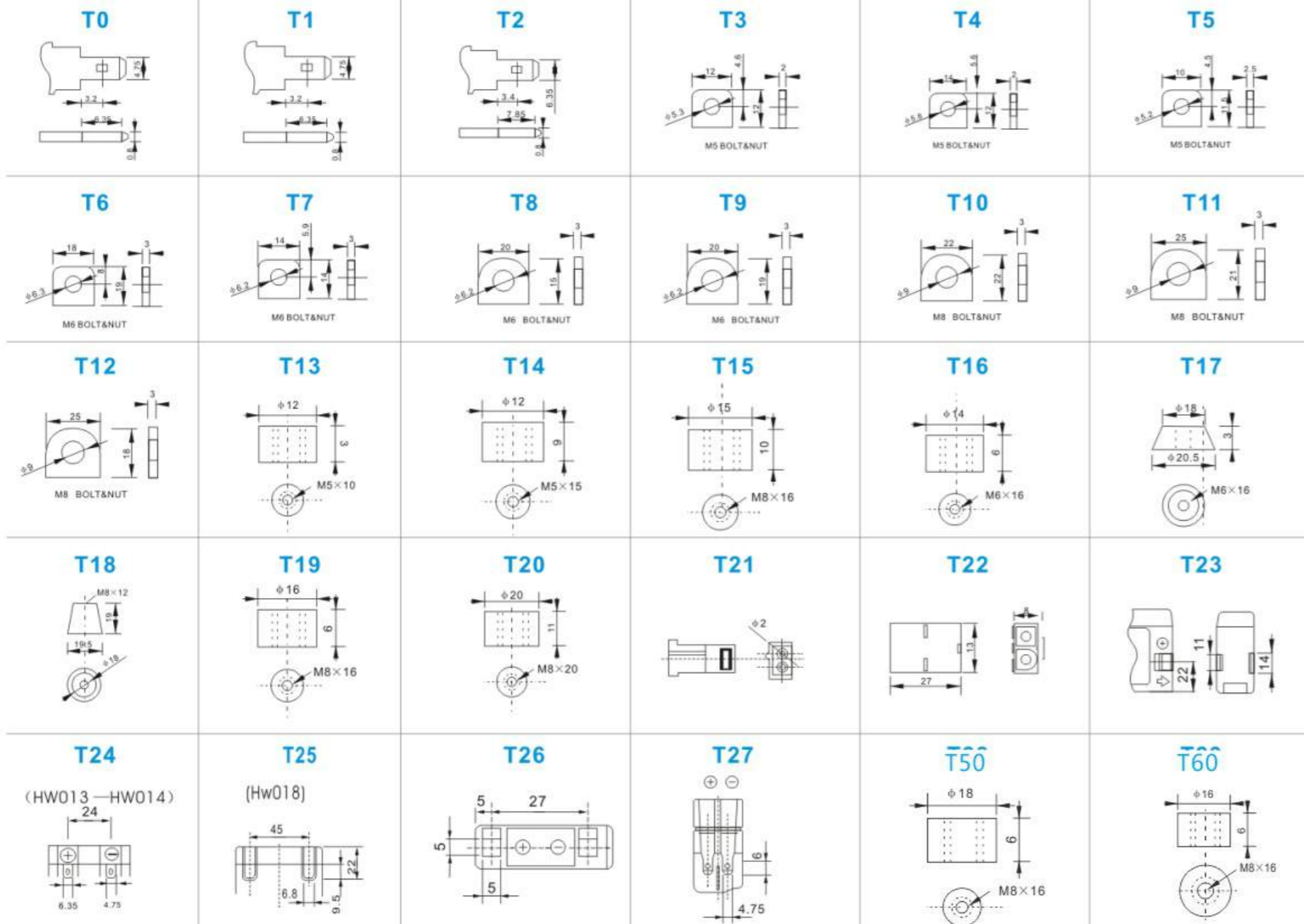
8.3 2V OPzS with plate plate, flooded series, designed floating life 10~15 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
4OPZS200	2	200	103	4.06	206	8.11	353	13.90	431	16.97	11.00	24.2	2
5OPZS250	2	250	124	4.88	206	8.11	353	13.90	431	16.97	14.00	30.8	2
6OPZS300	2	300	145	5.71	206	8.11	353	13.90	431	16.97	16.50	36.3	2
5OPZS350	2	350	124	4.88	206	8.11	471	18.54	547	21.54	19.00	41.9	2
6OPZS420	2	420	145	5.71	206	8.11	471	18.54	547	21.54	21.90	48.2	2
7OPZS490	2	490	166	6.54	206	8.11	471	18.54	547	21.54	24.50	54.0	2
6OPZS600	2	600	145	5.71	206	8.11	646	25.43	722	28.43	29.00	63.9	2
8OPZS800	2	800	191	7.52	210	8.27	646	25.43	722	28.43	40.00	88.1	4
10OPZS1000	2	1000	233	9.17	210	8.27	646	25.43	722	28.43	51.00	112.3	4
12OPZS1200	2	1200	275	10.83	210	8.27	646	25.43	722	28.43	62.50	137.7	4
12OPZS1500	2	1500	275	10.83	210	8.27	772	30.39	847	33.35	68.00	149.8	6
16OPZS2000	2	2000	397	15.63	212	8.35	772	30.39	847	33.35	98.00	215.9	6
20OPZS2500	2	2500	487	19.17	212	8.35	772	30.39	847	33.35	118.00	259.9	6
24OPZS3000	2	3000	576	22.68	212	8.35	772	30.39	847	33.35	140.00	308.4	6

8.4 12V tubular sealed battery series, designed floating life 10~15 years at 25 °C/77°F

Model	Nominal Voltage (V)	Nominal Capacity C10(1.75V/Cell) (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		kg	Lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
SW12600	12	60	260	10.24	169	6.65	208	8.19	228	8.98	24.40	53.7	T16
SW12800	12	80	331	13.03	173	6.81	213	8.39	233	9.17	30.50	67.2	T16
SW121000	12	100	409	16.10	176	6.93	225	8.86	225	8.86	35.50	78.2	T16
SW121200	12	120	484	19.06	170	6.69	241	9.49	241	9.49	43.00	94.7	T50
SW121400	12	140	530	20.87	207	8.15	215	8.46	220	8.66	51.00	112.3	T60
SW121500	12	150	530	20.87	207	8.15	215	8.46	220	8.66	55.00	121.1	T60
12V160Ah	12	160	522	20.55	240	9.45	216	8.50	236	9.29	58.30	128.4	T19
12V180Ah	12	180	522	20.55	240	9.45	216	8.50	236	9.29	62.00	136.6	T19
SW122000	12	200	520	20.47	268	10.55	220	8.66	240	9.45	72.00	158.6	T19

Terminal Type



Certifications

