



AGM Standard Batteries

Solutions for the toughest requirements

*T*he company

Triathlon System GmbH is your specialist for battery-operated electrical systems with branches across Germany. Our comprehensive and competent consulting is based on our specialist know-how and many years of experience in battery and charger technology.

Our own FXM production at the Isen site in Munich, one of the oldest battery manufacturer's in Germany, guarantees quality "Made in Germany".

Our product range includes batteries of all current technologies, as well as emergency lighting systems, UPS systems, DC power systems and systems for many other applications. Our installation and service teams ensure the installation and proper functioning of our products. The range of services is supported by reputable and reliable partners only.

**Only the sum of the
benefits decides!**

Triathlon AGM Batteries

*P*roduct Information

The Triathlon ST range with AGM technology stands for the highest demands. It can be used universally for the most wide-ranging applications.

The highest quality standards are met through:

- ✓ Certification in line with ISO 9001 and ISO 14001
- ✓ IEC 60896 Parts 21 & 22 and BS 6290 Part 4
- ✓ Extensive end testing of products prior to dispatch

Technical features

- ✓ Sealed VLRA (valve-regulated lead acid) batteries – electrolyte is fixed in a glass mat
- ✓ Outstanding high-current capability thanks to low internal resistance
- ✓ High power density, low size ratio
- ✓ Maintenance-free
- ✓ Safety valve protects against excessive high pressure
- ✓ Low self-discharge rate: Can be stored for up to 9 months under normal conditions at +20 °C.
- ✓ Service life of up to 5 years in continuous battery power supply mode according to EUROBAT
- ✓ Different installation positions possible, either vertical or horizontal
- ✓ No transport restrictions (in line with IATA, DGR, sentence A67)
- ✓ Applications:
 - Uninterruptible power supplies (UPS)
 - Emergency lighting
 - Stationary back-up power systems in power stations and remote stations
 - Telecommunications
 - Switchgear
 - Automation technology, robotic systems
 - Burglar and fire alarm systems
 - Wireless and radio systems
 - Distance measurement systems
 - Signalling systems



Triathlon AGM-Batteries

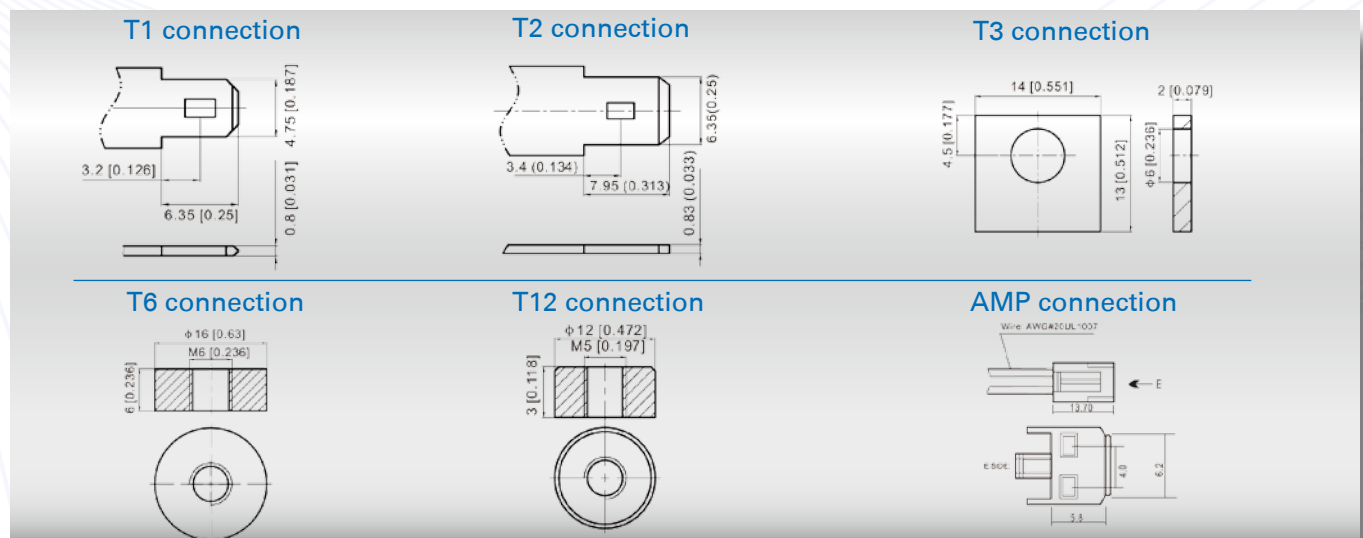
ST *Range*

AGM standard batteries are the solution for highly demanding areas of application

SERVICE LIFE CATEGORY 5 YEARS

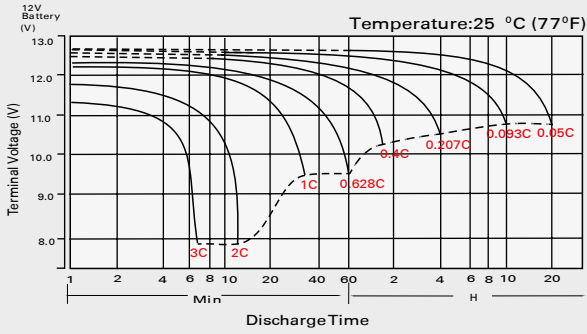
Battery type		Nominal voltage	Nominal capacity	Length (L)	Width (B)	Height (H)	Typical weight	Internal resistance	max. discharge current	Connection
		V	C ₂₀ Ah	max. mm	max. mm	max. mm	kg	mOhm	A	
ST06001.2		6	1.2	97	24	58	0.30	65.0	18.0	T1
ST06002.8		6	2.8	66	33	103	0.60	30.0	42.0	T1
ST06003.2		6	3.2	134	34	66	0.70	28.0	48.0	T1
ST06004.5		6	4.5	70	47	106	0.80	25.0	67.5	T1
ST06007		6	7.0	151	34	100	1.10	15.0	105.0	T1
ST06008.5		6	8.5	98	56	120	1.50	14.5	127.0	T1
ST06012	VdS	6	12.0	151	51	100	2.00	15.0	180.0	T1
ST06020		6	20.0	157	83	125	3.20	9.0	300.0	T3
ST12000.8		12	0.8	96	25	62	0.35	150.0	12.0	AMP
ST12001.2	VdS	12	1.2	97	44	58	0.60	90.0	18.0	T1
ST12002.1	VdS	12	2.1	178	35	66	1.00	70.0	31.5	T1
ST12003.4	VdS	12	3.4	134	67	67	1.35	45.0	48.0	T1
ST12004		12	4.0	90	70	107	1.45	40.0	60.0	T1
ST12006		12	5.8	90	70	107	1.80	25.0	87.0	T1
ST12007.2	VdS	12	7.2	152	66	100	2.35	18.0	108.0	T1/T2
ST12009		12	8.5	151	65	99	2.45	18.0	127.5	T2
ST12012	VdS	12	12.0	151	98	101	3.50	14.0	180.0	T1/T2
ST12018	VdS	12	18.0	182	77	168	5.78	16.0	270.0	T12
ST12026	VdS	12	26.0	167	175	125	8.00	14.0	390.0	T12
ST12045	VdS	12	45.0	197	165	170	14.20	9.0	540.0	T6
ST12065	VdS	12	65.0	348	167	178	19.20	7.3	780.0	T6

Technical Diagrams

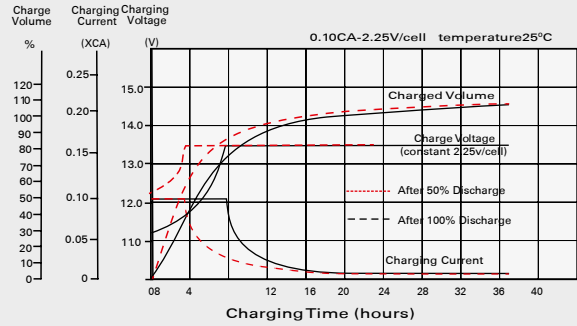


Curves

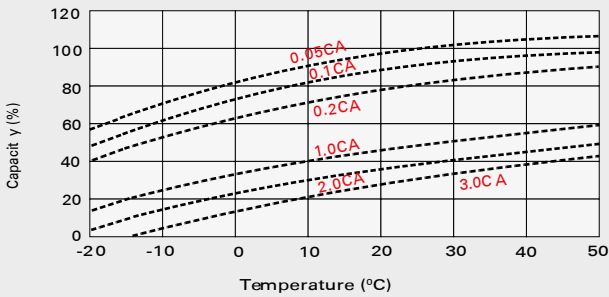
Discharge behaviour



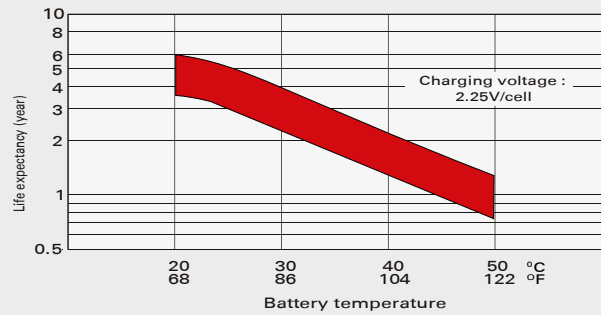
Charge behaviour



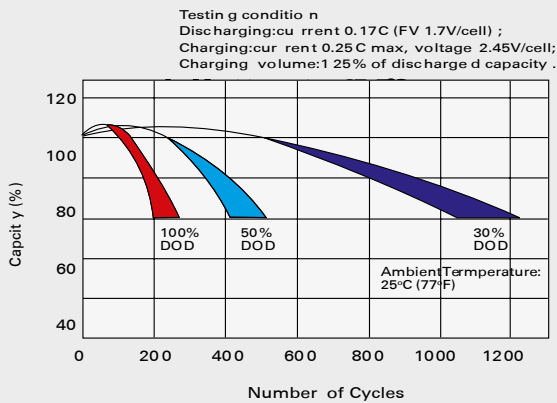
Battery capacity in relation to temperature



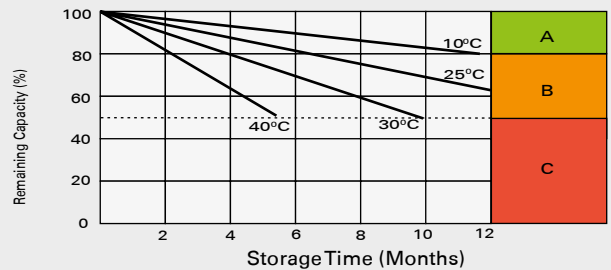
Temperature



Cycles in relation to discharge



Self-discharge



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
3. Charged for 8-10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.

You can find further information and details on our datasheets.

Triathlon AGM Batteries, ST Range

Discharge data in ampere

1.85 V/Z - discharge in ampere at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	2.30	1.61	1.32	1.15	0.92	0.71	0.58	0.35	0.27	0.22	0.19	0.16	0.13	0.11	0.06
ST06002.8	5.38	3.75	3.09	2.68	2.15	1.65	1.35	0.83	0.63	0.52	0.44	0.38	0.30	0.25	0.14
ST06003.2	6.14	4.28	3.53	3.06	2.46	1.89	1.55	0.94	0.72	0.59	0.50	0.44	0.34	0.29	0.16
ST06004.5	8.64	6.02	4.97	4.31	3.46	2.66	2.17	1.33	1.01	0.83	0.71	0.61	0.49	0.40	0.22
ST06007	13.30	10.20	8.48	7.33	5.67	4.18	3.52	2.08	1.63	1.32	1.08	0.94	0.76	0.63	0.35
ST06008.5	16.20	12.40	10.30	8.90	6.88	5.07	4.27	2.53	1.98	1.61	1.31	1.14	0.92	0.77	0.42
ST06012	22.90	15.20	12.50	11.00	9.02	7.04	5.83	3.58	2.70	2.22	1.88	1.63	1.30	1.08	0.59
ST06020	38.10	29.20	24.20	20.90	16.20	11.90	10.10	5.95	4.65	3.78	3.09	2.68	2.16	1.80	0.99
ST12000.8	1.54	1.07	0.88	0.77	0.61	0.47	0.39	0.24	0.18	0.15	0.13	0.11	0.09	0.07	0.04
ST12001.2	2.30	1.61	1.32	1.15	0.92	0.71	0.58	0.35	0.27	0.22	0.19	0.16	0.13	0.11	0.06
ST12002.1	4.03	2.81	2.32	1.99	1.60	1.21	0.97	0.60	0.46	0.37	0.31	0.28	0.22	0.19	0.10
ST12003.4	6.14	4.28	3.53	3.06	2.46	1.89	1.55	0.94	0.72	0.59	0.50	0.44	0.35	0.29	0.16
ST12004	7.68	5.35	4.42	3.83	3.07	2.36	1.93	1.18	0.90	0.74	0.63	0.54	0.43	0.36	0.20
ST12006	11.50	8.03	6.62	5.74	4.61	3.54	2.90	1.77	1.35	1.11	0.94	0.82	0.65	0.54	0.29
ST12007.2	13.70	9.12	7.52	6.61	5.41	4.22	3.50	2.15	1.62	1.33	1.13	0.98	0.78	0.65	0.36
ST12009	19.60	13.90	11.70	9.92	7.41	5.50	4.40	2.62	1.95	1.58	1.33	1.15	0.91	0.75	0.41
ST12012	22.90	15.20	12.50	11.00	9.02	7.04	5.83	3.58	2.70	2.22	1.88	1.63	1.30	1.08	0.59
ST12018	34.30	22.80	18.80	16.50	13.50	10.60	8.75	5.37	4.04	3.33	2.82	2.45	1.94	1.62	0.89
ST12026	49.50	32.90	27.10	23.90	19.60	15.30	12.60	7.76	5.84	4.80	4.08	3.53	2.81	2.35	1.29
ST12045	73.20	57.60	49.00	40.90	32.50	24.60	20.20	12.80	10.20	8.30	6.69	5.82	4.73	4.04	2.23
ST12065	105.80	83.20	70.70	59.10	47.00	35.60	29.10	18.60	14.70	12.00	9.66	8.41	6.83	5.83	3.22

1.80 V/Z - discharge in ampere at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	2.83	1.92	1.54	1.30	1.02	0.77	0.62	0.38	0.28	0.23	0.19	0.17	0.13	0.11	0.06
ST06002.8	6.61	4.47	3.58	3.03	2.39	1.80	1.46	0.88	0.66	0.54	0.46	0.40	0.31	0.26	0.14
ST06003.2	7.55	5.11	4.10	3.47	2.72	2.06	1.66	1.00	0.77	0.62	0.52	0.45	0.36	0.30	0.16
ST06004.5	10.60	7.19	5.76	4.87	3.83	2.90	2.34	1.41	1.06	0.87	0.74	0.64	0.50	0.42	0.23
ST06007	17.90	13.10	10.20	8.67	6.69	4.86	3.94	2.27	1.75	1.41	1.16	1.01	0.80	0.65	0.35
ST06008.5	21.70	15.90	12.40	10.50	8.12	5.90	4.79	2.76	2.13	1.72	1.41	1.22	0.97	0.79	0.43
ST06012	27.40	18.20	14.70	12.60	10.10	7.73	6.31	3.84	2.88	2.36	1.98	1.70	1.34	1.12	0.60
ST06020	51.10	37.40	29.30	24.80	19.10	13.90	11.30	6.49	5.01	4.04	3.31	2.87	2.29	1.86	1.00
ST12000.8	1.89	1.28	1.02	0.87	0.68	0.52	0.42	0.25	0.19	0.16	0.13	0.11	0.09	0.07	0.04
ST12001.2	2.83	1.92	1.54	1.30	1.02	0.77	0.62	0.38	0.28	0.23	0.20	0.17	0.13	0.11	0.06
ST12002.1	4.96	3.35	2.69	2.25	1.77	1.32	1.05	0.64	0.48	0.39	0.33	0.29	0.23	0.19	0.11
ST12003.4	7.55	5.11	4.10	3.47	2.72	2.06	1.66	1.00	0.76	0.62	0.52	0.45	0.36	0.30	0.16
ST12004	9.44	6.39	5.12	4.33	3.40	2.58	2.08	1.25	0.95	0.78	0.65	0.57	0.45	0.37	0.20
ST12006	14.20	9.58	7.68	6.50	5.10	3.86	3.12	1.88	1.42	1.17	0.99	0.85	0.67	0.56	0.29
ST12007.2	16.40	10.90	8.80	7.56	6.05	4.64	3.79	2.30	1.73	1.41	1.19	1.02	0.81	0.67	0.36
ST12009	23.40	16.00	13.10	10.90	8.11	5.93	4.73	2.80	2.07	1.67	1.40	1.21	0.96	0.79	0.43
ST12012	27.40	18.20	14.70	12.60	10.10	7.73	6.31	3.84	2.88	2.36	1.98	1.70	1.34	1.12	0.60
ST12018	46.00	27.30	22.10	18.90	15.10	11.60	9.47	5.76	4.32	3.54	2.97	2.55	2.02	1.67	0.90
ST12026	59.30	39.50	31.90	27.3	21.80	16.70	13.70	8.32	6.24	5.11	4.28	3.69	2.91	2.42	1.30
ST12045	98.30	73.60	59.10	48.40	38.40	28.60	22.60	14.00	10.90	8.86	7.18	6.25	5.01	4.28	2.25
ST12065	142.00	106.30	85.40	69.90	55.50	41.40	32.60	20.30	15.80	12.80	10.40	9.02	7.24	6.18	3.25

Discharge data in ampere

1.75 V/Z - discharge in ampere at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	3.36	2.17	1.69	1.41	1.09	0.82	0.66	0.39	0.29	0.24	0.20	0.17	0.14	0.11	0.06
ST06002.8	7.83	5.06	3.95	3.30	2.54	1.92	1.53	0.92	0.69	0.56	0.47	0.41	0.32	0.27	0.14
ST06003.2	8.95	5.78	4.52	3.77	2.91	2.19	1.75	1.05	0.78	0.64	0.54	0.47	0.37	0.30	0.16
ST06004.5	12.60	8.13	6.35	5.31	4.09	3.08	2.46	1.47	1.10	0.90	0.76	0.65	0.52	0.43	0.23
ST06007	20.20	14.40	11.20	9.32	6.94	5.04	4.13	2.36	1.79	1.45	1.19	1.03	0.82	0.67	0.35
ST06008.5	24.50	17.50	13.60	11.30	8.43	6.12	5.01	2.86	2.17	1.76	1.45	1.25	0.99	0.81	0.43
ST06012	32.80	20.90	16.40	13.90	10.80	8.27	6.67	4.00	2.98	2.42	2.03	1.75	1.38	1.14	0.61
ST06020	57.60	41.10	32.00	26.60	19.80	14.40	11.80	6.73	5.10	4.13	3.40	2.95	2.33	1.91	1.01
ST12000.8	2.24	1.44	1.13	0.94	0.73	0.55	0.44	0.26	0.20	0.16	0.13	0.12	0.09	0.08	0.04
ST12001.2	3.36	2.17	1.69	1.41	1.09	0.82	0.66	0.39	0.29	0.24	0.20	0.17	0.14	0.11	0.06
ST12002.1	5.87	3.79	2.97	2.45	1.89	1.41	1.10	0.67	0.50	0.40	0.33	0.30	0.24	0.19	0.11
ST12003.4	8.95	5.78	4.52	3.77	2.91	2.19	1.75	1.05	0.78	0.64	0.54	0.47	0.37	0.30	0.16
ST12004	11.20	7.22	5.65	4.72	3.63	2.74	2.19	1.31	0.98	0.80	0.67	0.58	0.46	0.38	0.20
ST12006	16.80	10.80	8.47	7.07	5.45	4.10	3.28	1.96	1.47	1.20	1.01	0.87	0.69	0.57	0.29
ST12007.2	19.70	12.50	9.80	8.36	6.42	4.96	4.00	2.40	1.79	1.45	1.22	1.05	0.83	0.67	0.36
ST12009	26.10	17.40	14.10	11.60	8.45	6.15	4.90	2.88	2.12	1.70	1.43	1.23	0.98	0.81	0.43
ST12012	32.80	20.90	16.40	13.90	10.80	8.27	6.67	4.00	2.98	2.42	2.03	1.75	1.38	1.14	0.61
ST12018	49.20	31.30	24.60	20.90	16.20	12.40	10.00	6.00	4.46	3.62	3.05	2.63	2.07	1.72	0.91
ST12026	71.10	45.20	35.50	30.20	23.40	17.90	14.50	8.67	6.45	5.23	4.40	3.79	2.99	2.48	1.31
ST12045	110.80	80.80	64.60	52.10	39.90	29.70	23.60	14.50	11.10	9.06	7.36	6.42	5.10	4.32	2.27
ST12065	160.10	116.80	93.30	75.20	57.60	42.90	34.10	21.00	16.10	13.10	10.60	9.27	7.37	6.24	3.28

1.70 V/Z - discharge in ampere at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	3.81	2.39	1.83	1.52	1.14	0.85	0.68	0.41	0.30	0.25	0.21	0.18	0.14	0.12	0.06
ST06002.8	8.89	5.58	4.28	3.54	2.67	1.99	1.60	0.95	0.71	0.58	0.48	0.42	0.33	0.27	0.14
ST06003.2	10.2	6.37	4.89	4.05	3.05	2.27	1.82	1.09	0.81	0.66	0.55	0.48	0.37	0.31	0.16
ST06004.5	14.30	8.96	6.88	5.70	4.29	3.20	2.57	1.53	1.14	0.92	0.78	0.67	0.53	0.43	0.23
ST06007	22.20	15.70	11.90	9.80	7.23	5.24	4.26	2.42	1.83	1.48	1.22	1.05	0.83	0.68	0.36
ST06008.5	27.00	19.00	14.50	11.90	8.78	6.36	5.17	2.93	2.23	1.80	1.48	1.28	1.00	0.83	0.44
ST06012	38.10	23.30	18.00	15.10	11.50	8.67	6.96	4.14	3.05	2.47	2.08	1.79	1.40	1.16	0.62
ST06020	63.50	44.80	34.10	28.00	20.70	15.00	12.20	6.90	5.24	4.24	3.49	3.01	2.36	1.95	1.03
ST12000.8	2.54	1.59	1.22	1.01	0.76	0.57	0.46	0.27	0.20	0.16	0.14	0.12	0.09	0.08	0.04
ST12001.2	3.81	2.39	1.83	1.52	1.14	0.85	0.68	0.41	0.30	0.25	0.21	0.18	0.14	0.12	0.06
ST12002.1	6.66	4.18	3.21	2.63	1.98	1.46	1.15	0.69	0.51	0.41	0.34	0.30	0.24	0.20	0.11
ST12003.4	10.20	6.37	4.89	4.05	3.05	2.27	1.82	1.09	0.81	0.66	0.55	0.48	0.37	0.31	0.16
ST12004	12.70	7.97	6.11	5.06	3.82	2.84	2.28	1.36	1.01	0.82	0.69	0.60	0.47	0.39	0.21
ST12006	19.00	12.00	9.17	7.60	5.72	4.26	3.42	2.04	1.52	1.23	1.03	0.89	0.70	0.58	0.30
ST12007.2	22.90	14.00	10.80	9.05	6.91	5.20	4.18	2.48	1.83	1.48	1.25	1.07	0.84	0.70	0.37
ST12009	28.50	18.80	14.80	12.10	8.77	6.36	5.04	2.96	2.17	1.74	1.45	1.25	0.99	0.82	0.44
ST12012	38.10	23.30	18.00	15.10	11.50	8.67	6.96	4.14	3.05	2.47	2.08	1.79	1.40	1.16	0.62
ST12018	57.10	35.00	27.10	22.60	17.30	13.00	10.40	6.21	4.58	3.71	3.12	2.68	2.10	1.74	0.93
ST12026	82.50	50.50	39.10	32.70	25.0	18.80	15.10	8.97	6.61	5.36	4.50	3.87	3.04	2.52	1.34
ST12045	122.00	88.10	69.00	54.70	41.50	30.90	24.40	15.10	11.40	9.30	7.55	6.55	5.17	4.36	2.32
ST12065	176.30	127.30	99.60	79.00	59.90	44.70	35.20	21.80	16.50	13.40	10.90	9.46	7.47	6.30	3.35

Triathlon AGM Batteries, ST Range

Discharge data in ampere

1.65 V/Z - discharge in ampere at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	4.20	2.57	1.94	1.59	1.19	0.89	0.71	0.42	0.31	0.25	0.21	0.18	0.14	0.12	0.06
ST06002.8	9.80	6.00	4.52	3.72	2.78	2.07	1.66	0.98	0.73	0.59	0.49	0.43	0.33	0.27	0.15
ST06003.2	11.20	6.85	5.17	4.25	3.18	2.365	1.90	1.12	0.83	0.67	0.56	0.49	0.38	0.31	0.17
ST06004.5	15.70	9.64	7.27	5.98	4.47	3.32	2.67	1.58	1.17	0.94	0.79	0.68	0.53	0.44	0.23
ST06007	24.50	16.90	12.70	10.40	7.63	5.37	4.35	2.45	1.91	1.54	1.25	1.08	0.84	0.70	0.37
ST06008.5	29.70	20.50	15.40	12.60	9.26	6.52	5.29	2.98	2.32	1.86	1.52	1.31	1.02	0.85	0.44
ST06012	42.00	25.30	19.30	16.20	12.10	9.06	7.20	4.27	3.14	2.54	2.12	1.82	1.42	1.18	0.63
ST06020	70.00	48.30	36.30	29.70	21.80	15.40	12.40	7.00	5.47	4.39	3.58	3.08	2.40	1.99	1.04
ST12000.8	2.80	1.71	1.29	1.06	0.79	0.59	0.48	0.28	0.21	0.17	0.14	0.12	0.09	0.08	0.04
ST12001.2	4.20	2.57	1.94	1.59	1.19	0.89	0.71	0.42	0.31	0.25	0.21	0.18	0.14	0.12	0.06
ST12002.1	7.35	4.50	3.39	2.76	2.06	1.52	1.19	0.71	0.53	0.42	0.35	0.31	0.25	0.20	0.11
ST12003.4	11.20	6.85	5.17	4.25	3.18	2.36	1.90	1.12	0.83	0.67	0.56	0.49	0.38	0.31	0.17
ST12004	14.00	8.57	6.46	5.32	3.98	2.95	2.38	1.40	1.04	0.84	0.70	0.61	0.48	0.39	0.21
ST12006	21.00	12.90	9.70	7.97	5.96	4.43	3.56	2.10	1.55	1.26	1.06	0.91	0.71	0.59	0.30
ST12007.2	25.20	15.20	11.60	9.70	7.27	5.43	4.32	2.56	1.88	1.52	1.27	1.09	0.85	0.71	0.38
ST12009	30.90	19.80	15.40	12.50	9.06	5.56	5.20	3.01	3.22	1.76	1.48	1.27	1.00	0.83	0.44
ST12012	42.00	25.30	19.30	16.20	12.10	9.06	7.20	4.27	3.14	2.54	2.12	1.82	1.42	1.18	0.63
ST12018	63.00	37.90	29.00	24.20	18.20	13.60	10.80	6.41	4.70	3.80	3.19	2.73	2.14	1.76	0.94
ST12026	91.00	54.80	41.90	35.00	26.30	19.60	15.60	9.26	6.79	5.49	4.60	3.95	3.08	2.55	1.35
ST12045	134.60	95.10	73.30	58.10	43.80	31.70	25.20	15.50	11.90	9.62	7.76	6.70	5.25	4.45	2.35
ST12065	194.40	137.30	105.90	84.00	63.20	45.80	36.40	22.50	17.20	13.90	11.20	9.67	7.59	6.43	3.39

1.60 V/Z - discharge in ampere at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	4.41	2.68	2.02	1.65	1.23	0.91	0.72	0.43	0.32	0.26	0.22	0.19	0.15	0.12	0.06
ST06002.8	10.30	6.25	4.72	3.84	2.86	2.11	1.70	1.01	0.74	0.60	0.50	0.43	0.34	0.28	0.15
ST06003.2	11.80	7.14	5.39	4.39	3.27	2.41	1.94	1.16	0.85	0.69	0.58	0.50	0.39	0.32	0.17
ST06004.5	16.50	10.00	7.58	6.17	4.60	3.40	2.73	1.63	1.19	0.97	0.81	0.70	0.55	0.45	0.24
ST06007	27.00	18.40	13.60	11.10	8.05	5.60	4.40	2.56	1.97	1.58	1.30	1.10	0.85	0.70	0.37
ST06008.5	32.80	22.30	16.50	13.50	9.78	6.80	5.34	3.10	2.39	1.92	1.57	1.34	1.03	0.85	0.45
ST06012	46.30	27.40	20.80	17.10	12.80	9.42	7.49	4.38	3.21	2.60	2.17	1.86	1.45	1.20	0.63
ST06020	77.20	52.40	38.80	31.70	23.0	16.0	12.6	7.30	5.63	4.52	3.70	3.14	2.42	2.01	1.05
ST12000.8	2.94	1.79	1.35	1.10	0.82	0.60	0.49	0.29	0.21	0.17	0.14	0.12	0.09	0.08	0.04
ST12001.2	4.41	2.68	2.02	1.65	1.23	0.91	0.73	0.43	0.32	0.26	0.22	0.19	0.15	0.12	0.06
ST12002.1	7.71	4.69	3.54	2.85	2.12	1.55	1.22	0.74	0.54	0.43	0.36	0.31	0.25	0.21	0.11
ST12003.4	11.80	7.14	5.39	4.39	3.27	2.41	1.94	1.16	0.85	0.69	0.58	0.50	0.39	0.32	0.17
ST12004	14.70	8.93	6.74	5.48	4.09	3.02	2.43	1.45	1.06	0.86	0.72	0.62	0.49	0.40	0.21
ST12006	22.00	13.40	10.10	8.23	6.13	4.56	3.64	2.17	1.59	1.29	1.08	0.93	0.72	0.60	0.30
ST12007.2	27.80	16.40	12.50	10.20	7.66	5.65	4.49	2.63	1.93	1.56	1.30	1.12	0.87	0.72	0.38
ST12009	32.60	20.60	15.90	12.80	9.32	6.72	5.31	3.08	2.25	1.80	1.50	1.29	1.01	0.83	0.45
ST12012	46.30	27.40	20.80	17.10	12.80	9.42	7.49	4.38	3.21	2.60	2.17	1.86	1.45	1.20	0.63
ST12018	69.50	41.00	31.20	25.60	19.20	14.10	11.20	6.57	4.82	3.90	3.25	2.80	2.18	1.79	0.94
ST12026	100.40	59.30	45.00	37.00	27.70	20.40	16.20	9.49	6.96	5.63	4.70	4.04	3.15	2.59	1.36
ST12045	148.40	103.20	78.40	61.90	46.20	33.00	26.10	16.10	12.30	9.92	8.02	6.84	5.30	4.50	2.36
ST12065	214.40	149.10	113.30	89.50	66.80	47.70	37.70	23.20	17.80	14.30	11.60	9.88	7.66	6.50	3.41

Discharge data in watt per cell

1.85 V/Z - discharge in watt per cell at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	4.35	3.06	2.55	2.23	1.80	1.39	1.14	0.70	0.54	0.44	0.38	0.33	0.26	0.22	0.12
ST06002.8	10.10	7.14	5.94	5.19	4.20	3.24	2.66	1.64	1.25	1.03	0.88	0.76	0.61	0.51	0.28
ST06003.2	11.60	8.16	6.79	5.93	4.79	3.71	3.04	1.87	1.43	1.18	1.00	0.87	0.70	0.58	0.32
ST06004.5	16.30	11.50	9.55	8.35	6.74	5.21	4.28	2.63	2.01	1.66	1.41	1.23	0.98	0.82	0.45
ST06007	24.4	18.90	15.8	13.80	10.80	8.03	6.79	4.04	3.18	2.59	2.12	1.84	1.49	1.25	0.69
ST06008.5	29.60	23.00	19.20	16.80	13.10	9.75	8.25	4.91	3.86	3.14	2.57	2.24	1.81	1.52	0.83
ST06012	42.60	28.40	23.60	20.80	17.10	13.50	11.30	6.96	5.26	4.33	3.69	3.20	2.56	2.14	1.18
ST06020	69.90	54.00	45.20	39.50	30.90	22.90	19.40	11.60	9.07	7.40	6.05	5.26	4.26	3.57	1.96
ST12000.8	2.90	2.04	1.70	1.48	1.20	0.93	0.76	0.47	0.36	0.29	0.25	0.22	0.17	0.14	0.08
ST12001.2	4.35	3.06	2.55	2.23	1.80	1.39	1.14	0.70	0.54	0.44	0.38	0.33	0.26	0.22	0.12
ST12002.1	7.60	5.35	4.46	3.86	3.11	2.38	1.91	1.19	0.91	0.73	0.62	0.55	0.45	0.37	0.21
ST12003.4	11.60	8.16	6.79	5.93	4.79	3.71	3.04	1.87	1.43	1.18	1.00	0.87	0.70	0.58	0.32
ST12004	14.50	10.20	8.49	7.42	5.99	4.63	3.81	2.34	1.79	1.47	1.26	1.09	0.87	0.72	0.40
ST12006	21.70	15.30	12.70	11.10	8.99	6.95	5.71	3.50	2.68	2.21	1.88	1.63	1.30	1.09	0.58
ST12007.2	25.60	17.10	14.10	12.50	10.30	8.10	6.76	4.17	3.15	2.60	2.21	1.92	1.54	1.29	0.71
ST12009	36.90	26.40	22.40	19.20	14.50	10.80	8.67	5.18	3.88	3.15	2.67	2.32	1.83	1.52	0.84
ST12012	42.60	28.40	23.60	20.80	17.10	13.50	11.30	6.96	5.26	4.33	3.69	3.20	2.56	2.14	1.18
ST12018	63.90	42.60	35.30	31.10	25.70	20.30	16.90	10.40	7.88	6.50	5.53	4.81	3.84	3.21	1.77
ST12026	92.40	61.60	51.00	45.00	37.10	29.30	24.40	15.10	11.40	9.39	7.99	6.94	5.54	4.64	2.55
ST12045	133.90	106.30	91.30	77.20	62.00	47.30	38.90	24.90	19.80	16.20	13.10	11.40	9.33	8.00	4.42
ST12065	193.40	153.60	132.00	111.50	89.60	68.40	56.20	36.00	28.60	23.40	18.90	16.50	13.50	11.60	6.39

1.80 V/Z - discharge in watt per cell at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	5.28	3.61	2.93	2.50	1.98	1.51	1.22	0.74	0.56	0.46	0.39	0.34	0.23	0.22	0.12
ST06002.8	12.30	8.43	6.83	5.83	4.61	3.51	2.85	1.73	1.31	1.08	0.91	0.79	0.63	0.52	0.28
ST06003.2	14.10	9.64	7.81	6.66	5.27	4.01	3.26	1.98	1.49	1.23	1.04	0.91	0.72	0.60	0.32
ST06004.5	19.80	13.60	11.00	9.37	7.41	5.65	4.58	2.78	2.10	1.73	1.46	1.27	1.01	0.84	0.45
ST06007	32.40	23.90	18.90	16.10	12.60	9.26	7.57	4.38	3.40	2.75	2.26	1.97	1.58	1.29	0.69
ST06008.5	39.30	29.00	22.90	19.50	15.20	11.20	9.19	5.32	4.13	3.34	2.75	2.39	1.92	1.56	0.84
ST06012	49.50	33.40	27.20	23.60	19.00	14.70	12.10	7.41	5.58	4.59	3.86	3.33	2.65	2.21	1.19
ST06020	92.50	68.20	53.90	46.00	35.90	26.50	21.60	12.50	9.71	7.86	6.46	5.62	4.51	3.68	1.98
ST12000.8	3.52	2.41	1.95	1.67	1.32	1.00	0.82	0.49	0.37	0.31	0.26	0.23	0.18	0.15	0.08
ST12001.2	5.28	3.61	2.93	2.50	1.98	1.51	1.22	0.74	0.56	0.46	0.39	0.34	0.27	0.22	0.12
ST12002.1	9.24	6.33	5.12	4.33	3.42	2.58	2.05	1.25	0.95	0.77	0.65	0.58	0.46	0.38	0.21
ST12003.4	14.10	9.64	7.81	6.66	5.27	4.01	3.26	1.98	1.49	1.23	1.04	0.91	0.72	0.60	0.32
ST12004	17.60	12.00	9.76	8.33	6.59	5.02	4.07	2.47	1.87	1.54	1.30	1.13	0.90	0.75	0.40
ST12006	26.40	18.10	14.60	12.50	9.88	7.53	6.11	3.70	2.80	2.31	1.95	1.70	1.34	1.12	0.58
ST12007.2	29.70	20.00	16.30	14.10	11.40	8.83	7.27	4.44	3.35	2.75	2.32	2.00	1.59	1.32	0.71
ST12009	43.60	30.20	24.90	21.10	15.80	11.60	9.28	5.53	4.10	3.32	2.80	2.43	1.93	1.59	0.86
ST12012	49.50	33.40	27.20	23.60	19.00	14.70	12.10	7.41	5.58	4.59	3.86	3.33	2.65	2.21	1.19
ST12018	74.20	50.10	40.90	35.40	28.50	22.10	18.20	11.10	8.37	6.88	5.79	5.00	3.97	3.31	1.78
ST12026	107.20	72.30	59.00	51.10	41.20	31.90	26.2	16.00	12.10	9.94	8.36	7.22	5.73	4.78	2.57
ST12045	177.80	134.30	108.90	89.90	72.10	54.60	43.30	27.00	21.20	17.20	14.00	12.20	9.87	8.46	4.46
ST12065	256.80	194.00	157.30	129.90	104.10	78.90	62.60	39.10	30.60	24.90	20.20	17.70	14.30	12.20	6.44

Triathlon AGM Batteries, ST Range

Discharge data in watt per cell

1.75 V/Z - discharge in watt per cell at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	6.18	4.05	3.20	2.7	2.10	1.59	1.28	0.77	0.58	0.47	0.40	0.35	0.27	0.23	0.12
ST06002.8	14.40	9.44	7.47	6.30	4.89	3.71	2.99	1.79	1.35	1.11	0.93	0.81	0.64	0.53	0.28
ST06003.2	16.50	10.80	8.53	7.20	5.59	4.24	3.41	2.05	1.54	1.26	1.06	0.92	0.73	0.60	0.32
ST06004.5	23.20	15.20	12.00	10.10	7.86	5.96	4.80	2.88	2.16	1.78	1.49	1.30	1.03	0.85	0.45
ST06007	35.70	25.80	20.30	17.20	12.90	9.52	7.88	4.53	3.45	2.80	2.31	2.02	1.60	1.32	0.70
ST06008.5	43.40	31.30	24.70	20.80	15.70	11.60	9.57	5.50	4.18	3.40	2.81	2.45	1.94	1.60	0.85
ST06012	58.80	37.90	30.00	25.80	20.20	15.70	12.70	7.69	5.75	4.68	3.95	3.42	2.71	2.26	1.20
ST06020	102.0	73.80	58.10	49.00	36.90	27.20	22.50	12.90	9.85	8.00	6.61	5.76	4.58	3.77	2.00
ST12000.8	4.12	2.70	2.13	1.80	1.40	1.06	0.85	0.51	0.38	0.32	0.27	0.23	0.18	0.15	0.08
ST12001.2	6.18	4.05	3.20	2.70	2.10	1.59	1.28	0.77	0.58	0.47	0.40	0.35	0.27	0.23	0.12
ST12002.1	10.80	7.08	5.60	4.68	3.63	2.72	2.14	1.30	0.98	0.79	0.66	0.59	0.47	0.39	0.21
ST12003.4	16.50	10.80	8.53	7.20	5.59	4.24	3.41	2.05	1.54	1.26	1.06	0.92	0.73	0.60	0.32
ST12004	20.60	13.50	10.70	9.00	6.99	5.30	4.26	2.56	1.92	1.58	1.33	1.15	0.91	0.76	0.40
ST12006	30.90	20.20	16.00	13.50	10.50	7.95	6.40	3.84	2.88	2.37	1.99	1.73	1.37	1.13	0.59
ST12007.2	35.30	22.70	18.00	15.50	12.10	9.40	7.65	4.61	3.45	2.81	2.37	2.05	1.63	1.35	0.72
ST12009	48.40	32.70	26.70	22.20	16.30	12.00	9.61	5.67	4.18	3.36	2.83	2.45	1.95	1.61	0.87
ST12012	58.80	37.90	30.00	25.80	20.20	15.70	12.70	7.69	5.75	4.68	3.95	3.42	2.71	2.26	1.20
ST12018	88.20	56.80	45.00	38.70	30.30	23.50	19.10	11.50	8.62	7.02	5.93	5.12	4.07	3.39	1.80
ST12026	127.40	82.00	65.00	56.00	43.80	33.90	27.60	16.70	12.40	10.10	8.56	7.40	5.87	4.89	2.59
ST12045	196.20	145.20	117.50	95.80	74.20	56.20	45.10	27.90	21.50	17.60	14.30	12.50	10.00	8.53	4.49
ST12065	283.40	209.70	169.70	138.40	107.20	81.10	65.20	40.40	31.00	25.40	20.70	18.10	14.50	12.30	6.49

1.70 V/Z - discharge in watt per cell at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	6.93	4.42	3.43	2.88	2.19	1.64	1.33	0.80	0.59	0.48	0.41	0.35	0.28	0.23	0.12
ST06002.8	16.20	10.30	8.01	6.71	5.10	3.83	3.09	1.86	1.38	1.13	0.95	0.82	0.65	0.53	0.29
ST06003.2	18.50	11.80	9.15	7.67	5.83	4.38	3.53	2.12	1.58	1.29	1.08	0.94	0.74	0.61	0.33
ST06004.5	26.00	16.60	12.90	10.80	8.20	6.16	4.97	2.98	2.22	1.81	1.52	1.32	1.04	0.86	0.46
ST06007	38.20	27.50	21.40	17.90	13.40	9.86	8.10	4.63	3.54	2.87	2.37	2.05	1.62	1.35	0.71
ST06008.5	46.40	33.40	26.00	21.70	16.20	12.00	9.84	5.62	4.29	3.49	2.88	2.49	1.97	1.63	0.86
ST06012	67.30	41.70	32.70	27.80	21.40	16.30	13.20	7.94	5.88	4.78	4.04	3.48	2.75	2.29	1.22
ST06020	109.30	78.60	61.20	51.10	38.20	28.20	23.10	13.20	10.10	8.20	6.77	5.87	4.64	3.84	2.03
ST12000.8	4.62	2.94	2.29	1.92	1.46	1.09	0.88	0.53	0.40	0.32	0.27	0.24	0.18	0.15	0.08
ST12001.2	6.93	4.42	3.43	2.88	2.19	1.64	1.33	0.80	0.59	0.48	0.41	0.35	0.28	0.23	0.12
ST12002.1	12.10	7.73	6.01	4.98	3.79	2.81	2.22	1.35	1.00	0.80	0.67	0.60	0.48	0.39	0.21
ST12003.4	18.50	11.80	9.15	7.67	5.83	4.38	3.53	2.12	1.58	1.29	1.08	0.94	0.74	0.61	0.33
ST12004	23.10	14.70	11.40	9.59	7.29	5.47	4.42	2.65	1.97	1.61	1.35	1.17	0.92	0.76	0.41
ST12006	34.70	22.10	17.20	14.40	10.90	8.21	6.63	3.98	2.96	2.41	2.03	1.76	1.38	1.14	0.59
ST12007.2	40.40	25.00	19.60	16.70	12.90	9.79	7.95	4.76	3.53	2.87	2.42	2.09	1.65	1.38	0.73
ST12009	51.90	34.80	27.70	22.90	16.80	12.30	9.79	5.77	4.26	3.41	2.86	2.48	1.96	1.62	0.87
ST12012	67.30	41.70	32.70	27.80	21.40	16.30	13.20	7.94	5.88	4.78	4.04	3.48	2.75	2.29	1.22
ST12018	100.90	62.60	49.10	41.70	32.20	24.50	19.90	11.90	8.82	7.17	6.05	5.23	4.12	3.44	1.83
ST12026	145.80	90.40	71.00	60.20	46.50	35.40	28.70	17.20	12.70	10.40	8.74	7.55	5.96	4.96	2.64
ST12045	210.00	154.60	123.70	99.90	76.80	58.20	46.40	29.00	22.10	18.00	14.70	12.80	10.10	8.61	4.57
ST12065	303.40	223.40	178.70	144.30	110.90	84.00	67.00	41.90	31.90	26.00	21.20	18.40	14.70	12.40	6.61

Discharge data in watt per cell

1.65 V/Z - discharge in watt per cell at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	7.54	4.69	3.59	2.99	2.26	1.70	1.37	0.81	0.60	0.49	0.41	0.36	0.28	0.23	0.12
ST06002.8	17.60	10.90	8.37	6.97	5.27	3.96	3.20	1.90	1.41	1.14	0.96	0.83	0.65	0.54	0.29
ST06003.2	20.10	12.50	9.56	7.97	6.03	4.52	3.66	2.17	1.61	1.31	1.10	0.95	0.75	0.62	0.33
ST06004.5	28.30	17.60	13.40	11.20	8.48	6.36	5.15	3.05	2.27	1.84	1.55	1.34	1.05	0.87	0.46
ST06007	41.60	29.40	22.60	18.90	14.00	10.00	8.23	4.67	3.67	2.96	2.43	2.09	1.64	1.37	0.72
ST06008.5	50.50	35.70	27.40	22.90	17.00	12.20	9.99	5.67	4.46	3.59	2.95	2.54	2.00	1.66	0.87
ST06012	73.10	44.60	34.70	29.50	22.40	16.90	13.60	8.17	6.02	4.88	4.11	3.54	2.79	2.32	1.23
ST06020	118.80	84.00	64.60	53.90	40.00	28.60	23.50	13.30	10.50	8.45	6.93	5.98	4.70	3.91	2.05
ST12000.8	5.03	3.13	2.39	1.99	1.51	1.13	0.92	0.54	0.40	0.33	0.28	0.24	0.19	0.15	0.08
ST12001.2	7.54	4.69	3.59	2.99	2.26	1.70	1.37	0.81	0.60	0.49	0.41	0.36	0.28	0.23	0.12
ST12002.1	13.20	8.21	6.28	5.18	3.91	2.90	2.30	1.38	1.02	0.81	0.69	0.61	0.48	0.40	0.22
ST12003.4	20.10	12.50	9.56	7.97	6.03	4.52	3.66	2.17	1.61	1.31	1.10	0.95	0.75	0.62	0.33
ST12004	25.10	15.60	12.00	9.96	7.53	5.65	4.57	2.71	2.01	1.63	1.38	1.19	0.93	0.77	0.41
ST12006	37.70	23.40	17.90	14.90	11.30	8.48	6.86	4.07	3.02	2.45	2.07	1.78	1.40	1.15	0.59
ST12007.2	43.90	26.70	20.80	17.70	13.40	10.20	8.18	4.90	3.61	2.93	2.47	2.12	1.67	1.39	0.74
ST12009	55.50	36.20	28.40	23.40	17.20	12.50	10.00	5.83	4.31	3.44	2.89	2.49	1.97	1.63	0.87
ST12012	73.10	44.60	34.70	29.50	22.40	16.90	13.60	8.17	6.02	4.88	4.11	3.54	2.79	2.32	1.23
ST12018	109.70	66.80	52.00	44.20	33.60	25.40	20.40	12.20	9.03	7.33	6.16	5.31	4.18	3.47	1.85
ST12026	158.40	96.50	75.10	63.8	48.60	36.70	29.50	17.70	13.00	10.60	8.90	7.67	6.04	5.02	2.67
ST12045	228.30	165.40	130.50	105.30	80.40	59.10	47.60	29.60	22.90	18.50	15.00	13.00	10.30	8.77	4.63
ST12065	329.90	238.90	188.50	152.20	116.10	85.40	68.80	42.80	33.10	26.80	21.70	18.80	14.90	12.70	6.69

1.60 V/Z - discharge in watt per cell at 25°C															
Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
ST06001.2	7.79	4.82	3.70	3.05	2.30	1.72	1.39	0.83	0.62	0.50	0.42	0.36	0.28	0.23	0.12
ST06002.8	18.20	11.30	8.62	7.11	5.37	4.00	3.25	1.94	1.43	1.17	0.98	0.85	0.66	0.55	0.29
ST06003.2	20.80	12.90	9.86	8.13	6.13	4.58	3.71	2.22	1.64	1.33	1.12	0.97	0.76	0.62	0.33
ST06004.5	29.20	18.10	13.90	11.40	8.62	6.44	5.22	3.13	2.31	1.87	1.57	1.36	1.07	0.88	0.46
ST06007	44.80	31.20	23.80	19.90	14.70	10.40	8.26	4.85	3.76	3.04	2.50	2.13	1.66	1.38	0.72
ST06008.5	54.40	37.90	28.90	24.10	17.80	12.60	10.00	5.89	4.57	3.69	3.03	2.59	2.01	1.68	0.88
ST06012	79.20	47.50	36.60	30.60	23.30	17.50	14.10	8.33	6.13	4.99	4.18	3.61	2.84	2.35	1.24
ST06020	128.00	89.10	67.90	56.80	41.90	29.70	23.60	13.90	10.80	8.69	7.13	6.09	4.73	3.95	2.06
ST12000.8	5.19	3.21	2.46	2.03	1.53	1.14	0.93	0.56	0.41	0.33	0.28	0.24	0.19	0.16	0.08
ST12001.2	7.79	4.82	3.70	3.05	2.30	1.72	1.39	0.83	0.62	0.50	0.42	0.36	0.28	0.23	0.12
ST12002.1	13.60	8.44	6.47	5.28	3.98	2.94	2.33	1.41	1.04	0.83	0.69	0.61	0.49	0.40	0.22
ST12003.4	20.80	12.90	9.86	8.13	6.13	4.58	3.71	2.22	1.64	1.33	1.12	0.97	0.76	0.62	0.33
ST12004	26.00	16.10	12.30	10.20	7.67	5.72	4.64	2.78	2.05	1.66	1.40	1.21	0.95	0.78	0.41
ST12006	39.00	24.10	18.50	15.20	11.50	8.58	6.96	4.17	3.07	2.50	2.09	1.81	1.42	1.17	0.60
ST12007.2	47.50	28.50	22.00	18.40	14.00	10.50	8.45	5.00	3.68	2.99	2.51	2.17	1.70	1.41	0.74
ST12009	57.20	36.70	28.90	23.60	17.40	12.70	10.10	5.92	4.34	3.48	2.92	2.52	1.98	1.64	0.88
ST12012	79.20	47.50	36.60	30.60	23.30	17.50	14.10	8.33	6.13	4.99	4.18	3.61	2.84	2.35	1.24
ST12018	118.8	71.30	54.90	45.90	34.90	26.20	21.10	12.50	9.20	7.49	6.28	5.42	4.26	3.53	1.86
ST12026	171.60	103.00	79.30	66.30	50.40	37.90	30.50	18.10	13.3	10.80	9.06	7.82	6.15	5.10	2.68
ST12045	246.00	175.40	137.20	111.00	84.20	61.30	49.10	30.50	23.5	19.00	15.50	13.30	10.40	8.85	4.65
ST12065	355.40	253.40	198.30	160.30	121.70	88.50	70.90	44.00	33.9	27.50	22.30	19.10	15.00	12.80	6.71

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