

TENERGY®

The Leader in Total Power Solutions



CONSUMER CATALOG 2012



Tenergy helps customers achieve their goals by acting as a trusted partner and provide the best value and selection in power products. Tenergy Corporation aspires to gain a national and international reputation as being one of the premier power solution companies in the world.

Tenergy is a market leader in offering a rich selection of innovative and conventional power related products including batteries, chargers, components & accessories, and custom power solutions. Our product lines are specifically engineered and designed for markets including Consumer Electronics, RC Hobby & Airsoft, Tactical & Law Enforcement, Industrial, Medical, and OEM Application.

We design, manufacture, and distribute an extensive selection of battery chemistries including Li-Ion, Li-Polymer, LiFePO₄, NiMH, NiCd and SLA for rechargeable solutions and various Lithium and Alkaline for primary (non-rechargeable) solutions. We also offer a wide range of battery chargers, protection circuitry, and other electronics for power management and control.

Located in the heart of the Silicon Valley, California, Tenergy is the ideal partner for local sales, support, distribution, and for large scale production. Our team of prestigious engineers provides the technical development, application testing, and quality control to ensure our products are the most trusted, most reliable, and offer the greatest value. Our customers and partners have the competitive advantage and comfort of having the best power for their products, best value, and best return for their bottom line.

At Tenergy, we value our long-term, mutually rewarding, strategic relationships with our customers and partners.



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TENERGY PREMIUM NiMH Rechargeable Battery

- Tenergy Premium Nickel Metal Hydride (NiMH) rechargeable batteries are amongst the most trusted and popular batteries in the market. The high quality chemistry used with these cells allows for zero memory effect as well as long sustained performance. All Tenergy Premium cells have a high capacity characteristic which provide a longer work time and reduces the amount of charging cycles in a given period which enables the device to operate longer. With a durable cycle life each cell can be charged and discharged for more than 500 cycles. Battery testing is based on International Electronic Commission (IEC) standards.

Tenergy Premium cells are designed for high drain portable electronic appliances and devices. They have a stable performance which is a perfect fit for digital cameras, wireless game controllers, small game devices, DVDs, MP3 players, etc. Premium batteries are available in bulk, retail blister cards, and combo packaging with Tenergy consumer chargers.

TENERGY CENTURA NiMH Rechargeable Battery

- Tenergy Centura "Low Self-Discharge" Nickel Metal Hydride (NiMH) consumer batteries are unique in having a longer charge-life than traditional NiMH batteries. Typically, NiMH batteries can be stored for a short period of time before the charge naturally drains.

Tenergy Centura batteries will maintain charge for 12-24 months (85% charge retained at 12 months; 70% charge retained at 24 months). Once charged, the Centuras will be ready for use at anytime, making the perfect power solution for emergencies and convenience –perfect for TV remotes & game controllers. And, unlike alkaline batteries, Tenergy Centura batteries are rechargeable and non-hazardous/non-toxic. Centura is the GREEN choice!



Tenergy Premium NiMH Rechargeable Battery



Size	Part #	Packaging	Capacity (mAh)	Dimensions (mm)		Standard Charge		Rapid Charge		Approx. Weight (g)
				Height	Diameter	Current (mA)	Time (h)	Current (mA)	Time (h)	
AA	10320	Bulk	2500	50.5	14.5	240	16	1200	2.4	29
	10325	Retail 4-Card	2500	50.5	14.5	240	16	1200	2.4	127
AAA	10405	Bulk	1000	45	11	90	16	450	2.4	13
	10409	Retail 4-Card	1000	45	11	90	16	450	2.4	60
C	10208	Bulk	5000	50	26	500	16	2000	2.4	86
	10299	Retail 2-Card	5000	50	26	500	16	2000	2.4	351
D	10105	Bulk	10,000	60	33	950	16	4000	2.4	162
	10109	Retail 2-Card	10,000	60	33	950	16	4000	2.4	656
9V	10005	Bulk	200	48	26	16	16	80	2.4	36
	10006	Retail 2-Card	200	48	26	16	16	80	2.4	80

Tenergy Centura NiMH Rechargeable Battery



Size	Part #	Packaging	Capacity (mAh)	Dimensions (mm)		Standard Charge		Rapid Charge		Approx. Weight (g)
				Height	Diameter	Current (mA)	Time (h)	Current (mA)	Time (h)	
AA	10324	Bulk	2000	50.5	14.5	190	16	950	2.4	28
	10321	Retail 4-Card	2000	50.5	14.5	190	16	950	2.4	120
AAA	10408	Bulk	800	45	11	80	16	400	2.4	12
	10406	Retail 4-Card	800	45	11	80	16	400	2.4	56
C	10206	Bulk	4000	50	26	390	16	1950	2.4	77
	10207	Retail 2-Card	4000	50	26	390	16	1950	2.4	316
D	10106	Bulk	8000	60	33	780	16	3500	2.4	150
	10107	Retail 2-Card	8000	60	33	780	16	3500	2.4	608
9V	10003	Bulk	200	48	26	16	16	80	2.4	43
	10002	Retail 2-Card	200	48	26	16	16	80	2.4	94



NiMH Battery / Cylindrical Industrial Cells

■ **Tenergy** produces approx 15% of the 1 billion Nickel Metal Hydride (NiMH) rechargeable cells each year. As the OEM for many leading brands and industrial applications, we extend our technical strength and production capability to enhance your product performance.

NiMH cells are cost effective, environmentally friendly, safe in application and transportation, and capable of high capacity and high discharge current. At 1.2V nominal working voltage and a wide selection of form factors and capacities (up to 14Ah per cell), discharging current (up to 40A per cell), NiMH cells are the most used building blocks for developing cost-effective, user friendly, simpler power solutions.

These cells are widely used in consumer products as well as for industrial, medical, transportation, and military applications.



Tenergy NiMH Industrial Battery Cells

Type	Size	Part #	Packaging	Capacity (mAh)	Dimensions (mm)		Standard Charge		Rapid Charge		Approx. Weight (g)
					Height	Diameter	Current (mA)	Time (h)	Current (mA)	Time (h)	
A	A	10704	Bulk	2500	50	16.5	250	16	1250	2.4	36
	2/3A	10710	Bulk	1600	28	17	140	16	1600	1.2	28
	4/5A	10706	Bulk	2000	43	17	200	16	2000	1.2	36
	4/3A	10702	Bulk	3800	67	17.5	380	16	1900	2.4	50
	4/3AF	10700	Bulk	3800	65	18	380	16	1850	2.4	56
AA	AA	10306	Bulk	2000	50	14	200	16	1000	2.4	26
	1/3AA	10315	Bulk	300	16.7	14	30	16	300	1.2	8
	4/5AA	10312	Bulk	1200	41	14	120	16	1200	1.2	15
	2/3AA	10300	Bulk	700	28.7	14	70	16	700	1.2	15
AAA	AAA	10407	Bulk	700	45	11	70	16	700	1.2	13

Type	Size	Part #	Packaging	Capacity (mAh)	Dimensions (mm)		Standard Charge		Rapid Charge		Approx. Weight (g)
					Height	Diameter	Current (mA)	Time (h)	Current (mA)	Time (h)	
C	C	10203	Bulk	5000	50	26	300	16	3000	2	85
Sub-C	SC	10503	Bulk	3800	43	23	380	15	3600	1.2	57
	SC	10505	Bulk	4200	43	23	400	15	4000	1.2	65
	SC	10514	Bulk	5000	43	23	500	15	5000	1.2	71
	4/5SC	10511	Bulk	2000	34	23	200	16	1000	2.1	44
D	D	10103	Bulk	10,000	60	32	1000	16	5000	2.4	165
F	F	10600	Bulk	14,000	91	33	1200	12	14,000	1	255

* All NiMH Industrial cells are available as Flat-Top (XXXXX-0) and Flat-Top w/ Tabs (XXXXX-1).
 * For information on custom packs, please see page 40 or visit www.Tenergy.com

NiMH Airsoft Battery Pack



NiMH Airsoft Battery Pack

■ **Team Tenenergy** is a market leader for battery powered Airsoft gun battery packs and accessories. Our product development team has worked closely with the Airsoft market specialist to develop the best battery solutions for long run time, fast charge rate, high cycle life, and increased rate of fire (ROF).

Tenenergy has a proven track record as both the premier OEM supplier for Airsoft gun manufactures and for supplying to both distributors and retailers. Each pack is engineered and designed using industrial strength Tenenergy NiMH cells; the same cells used by the US Military and Department of Defense for mission critical projects.

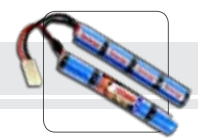
Tenenergy offers the widest selection of Airsoft replacement battery packs, including many hard-to-find configurations.



Tenenergy NiMH Airsoft Battery Pack



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
8.4V	11328	1600	10C	104	35	18.5	7x 2/3A Flat	Mini Tamiya	150
	11350	1600	10C	117	20		7x 2/3A Butterfly	Mini Tamiya	179
	11329	1600	10C	202	20		7x 2/3A Stick	Mini Tamiya	179
	11311	3800	10C	155.7	47.5	24.1	7x SC Flat	Tamiya	456
	11340	5000	20C	160	47	24	7x SC Flat	Tamiya	520
11308	4200	10C	133.4	74.9	22.1	7x SC Crane Stock	Mini Tamiya	522	



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
9.6V	11424	1600	10C	120	35	18.5	8x 2/3A Flat	Mini Tamiya	196
	11411	4200	10C	180.3	47.5	24.1	8x SC Flat	Tamiya	567
	11422	4200	10C	133.4	74.9	22.1	8x SC Crate Stock	Mini Tamiya	522
	11408	3800	10C	180.3	47.5	24.1	8x SC Flat	Tamiya	556
	11429	4200	10C	175	45	22	8x SC Butterfly	Mini Tamiya	522
	11423	1600	10C	118	18		8x 2/3A Butterfly	Mini Tamiya	203
	11434	2000	10C	200	28	14.7	8x AA Stick	Mini Tamiya	227
	11419	2000	10C	102	29.1	14.7	8x AA Nunchuck	Mini Tamiya	227
11425	1600	10C	232	17		8x 2/3A Stick	Mini Tamiya	196	



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
10.8V	11505	4200	10C	133	23		9x SC Crane Stock	Mini Tamiya	635
	11513	5000	10C	205	48	25	9x SC Stick	Mini Tamiya	771
	11503	1600	10C	132	35	18.5	9x 2/3A Stick	Mini Tamiya	196
	11500	4200	10C	205	48	25	9x SC Flat	Mini Tamiya	544
11504	2000	10C	101.6	28.6	14.2	9x AA Nunchuck	Mini Tamiya	249	



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
12V	11615	1600	10C	146	35	18.5	10x 2/3A Stick	Mini Tamiya	213
	11600	4200	10C	223	48	25	10x SC 2/3A Stick	Mini Tamiya	680

NiMH RC Battery Pack



NiMH RC Hobby Battery Pack

- Tenenergy's line of Team Tenenergy NiMH RC battery packs are designed to ensure the highest performance for today's demanding RC racers. Manufactured with the highest quality matched cells, authentic connectors (Traxxas, Deans, Tamiya) and world-class engineering.

Team Tenenergy is a trusted source for reliability and performance. The engineers at Tenenergy have mastered the art and science of long run time, fast acceleration, quick response, and maximum speed for your RC vehicles.

Tenenergy offers the widest selection of RC battery packs, including hard-to-find configurations.



Tenenergy NiMH Hobby Battery Pack



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
4.8V	11000	2000	5C	58	15	52	4x AAA SBS	Wire-Tabs	113
	11001	2000	5C	58	15	52	4x AA SBS	Hitec	109
	11003	1000	5C	45	11	44	4x AAA SBS	Hitec	57



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
6.0V	11108	3300	10C	111.3	45.7	22.9	5x SC SBS	Hitec	285
	11109	3300	10C	66.8	45.7	45.7	5x SC Hump	Tamiya & Hitec	285
	11111	1600	10C	73	33	17	5x 2/3A Flat	Hitec	100
	11112	1600	10C	88.4	30	17	5x 2/3A SBS	Hitec	100
11114	1600	10C	50	30	30	5x 2/3 SBS-Hump	Hitec	100	



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
7.2V	11222	1600	10C	10	32	17	6x 2/3A SBS	5102	156
	11223	1600	10C	90	35	18	6x 2/3A Flat	Traxxas	156
	11204	3000	10C	136.9	47.5	24.1	6x SC Flat	Tamiya	326
	11200	3800	10C	136.9	47.5	24.1	6x SC Flat	Tamiya	383
	11201	3800	10C	136.9	47.5	24.1	6x SC Flat	Deans	383
	11227	3800	10C	136.9	47.5	24.1	6x SC Flat	Traxxas	383
	11223	5000	20C	136.9	47.5	24.1	6x SC Flat	Deans	455
	11226	5000	20C	136.9	47.5	24.1	6x SC Flat	Tamiya	455
11228	5000	20C	136.9	47.5	24.1	6x SC Flat	Traxxas	455	



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
8.4V	11311	3800	10C	155.7	47.5	24.1	7x SC Flat	Tamiya	456
	11341	5000	20C	140	47.5	45	7x SC Hump	Traxxas	520
	11340	5000	20C	160	47	24	7x SC Flat	Tamiya	520
	11346	5000	20C	160	47	24	7x SC Flat	Traxxas	520



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
9.6V	11401	2000	10C	101.6	58.4	12.7	8x AA SBS	Tamiya	227
	11408	3800	10C	180.3	47.5	24.1	8x SC Flat	Tamiya	556



Tenergy Nickel-Cadmium (NiCd) Single Cells and Battery Packs

- Tenergy Nickel-Cadmium (NiCd) rechargeable batteries are manufactured with the highest standards of quality control in the industry. NiCd rechargeable batteries have the advantage of low self-discharge and economical cost.

NiCd batteries are widely used in solar lights, toys, home electronics/appliances, power tools, RC hobby and many industrial applications. These industrial strength batteries are a favorite amongst power-tool pack rebuilders.

Tenergy offers a wide selection of NiCd consumer cells, industrial grade tech cells, and battery packs.



Tenergy NiCd (Nickel-Cadmium) Battery Cells - Flat Top

Type	Size	Part #	Packaging	Capacity (mAh)	Dimensions (mm)		Standard Charge		Approx. Weight (g)
					Height	Diameter	Current (mA)	Time (h)	
A	A	20200	Bulk	1400	50	17	240	6	36
	1/2A	20201	Bulk	700	26	17	120	6	36
	2/3A	20202	Bulk	760	28	17	130	6	20
	4/5A	20203	Bulk	1300	42.1	17	220	6	28
AA	AA	20102	Bulk	1000	50	14	170	6	27
	4/5AA	20100	Bulk	900	41	14	150	6	27
	2/3AA	20101	Bulk	450	28.7	14	75	6	27
C	C	20401	Bulk	3500	50	26	500	7	71
Sub-C	SC	20300	Bulk/ PVC Wrap	2200	43	23	366	6	51
	SC	20305	Bulk	2000	43	23	366	6	51
	4/3SC	20302	Bulk	2300	50	23	390	6	60
	4/5SC	20303	Bulk	1300	34	23	220	6	37
D	1/2D	20503	Bulk	2500	37	33	260	10	79
	D	20501	Bulk	5000	60	32	500	10	125

* For information on custom packs, please see page 40 or visit www.Tenergy.com.

Tenergy NiCd (Nickel-Cadmium) Battery Cells - Button Top

Type Size	Part #	Packaging	Capacity (mAh)	Dimensions (mm)			Standard Charge		Approx. Weight (g)
				Height	Diameter		Current (mA)	Time (h)	
AA	20104	Bulk	1000	50	14		170	6	27
	21045	Retail 4-Card	1000	50	14		170	6	84
C	20400	Bulk	3500	50	26		500	7	71
D	20500	Bulk	5000	60	32		500	10	125
9V	20000	Bulk	140	48	26	16	20	7	45

* For information on custom packs, please see page 40 or visit www.Tenergy.com.

Tenergy NiCd (Nickel-Cadmium) Battery Packs

Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
7.2V	11328	2200	10C	136	46	24	6x SC Flat	Tamiya	340
8.4V	21005	2200	10C	158	46	24	7x SC Flat	Tamiya	369
	21024	1300	10C	116	47	17	7x 4/5A SBS	Mini Tamiya	204
	21023	1400	10C	149	49	17	7x 4/5A "L" Shape (Airsoft)	Mini Tamiya	221
	21022	1300	10C	130	45	23	7x SC Flat (Airsoft)	Mini Tamiya	283
9.6V	21008	2200	10C	177.8	43.2	22.9	8x SC Flat	Tamiya	439
	21009	4200	10C	136	46	40	8x SC Hump	Tamiya	439

* For information on custom packs, please see page 40 or visit www.Tenergy.com.



Tenergy Li-Ion Batteries / Cylindrical Industrial Cells

- Lithium Ion (Li-Ion)** is a standard building block for many consumer and industrial electronics. Li-Ion cells and packs offer a high energy density and a high voltage per cell allowing for smaller and lighter weight battery solutions. Also, Li-Ion has very high shelf-life and cycle-life, which make this line a very reliable and practical power source.

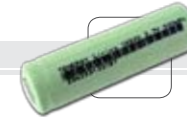
Tenergy Li-Ion batteries are amongst the most reliable in the market. Tenergy offers a wide variety of Li-Ion cell versions including flat-top, flat-top w/tabs (for making packs), and button-top w/PCB (protection circuit board).

Tenergy also designs and distributes a wide variety of Li-Ion packs ranging from 3.7V to 14.8V in our standard line and higher voltage options with our Industrial Application solutions. Tenergy engineering designs each pack using the best matching cells, sophisticated PCB electronics, and can design the optimal charging solutions.

Our rich experience and knowledge with Li-Ion cells, pack design and assembly, PCB, BMS, and charging solutions allow Tenergy to be your complete power solution partner.



Tenergy Li-Ion Cylindrical Industrial Cells 14500



Type	Style	Part #	Capacity (mAh)	Dimensions (mm)		Standard Charge			Approx. Weight (g)
				Height	Diameter	Max. Pulse Discharge	Max. Continuous Discharge	Max. Charge	
14500 3.7V	Flat-top	30001-0	800	50	14	1C	0.5C	0.5C	20

* For information on custom packs, please see page 40 or visit www.Tenergy.com.

Tenergy Li-Ion Cylindrical Industrial Cells 18650



Type	Style	Part #	Capacity (mAh)	Dimensions (mm)		Standard Charge			Approx. Weight (g)
				Height	Diameter	Max. Pulse Discharge	Max. Continuous Discharge	Max. Charge	
18650 3.7V	Flat-top	30003-0	2200	65.2	18.4	1.5C	2C	2C	46
	Flat-top w/ Tabs	30003-1	2200	65.2	18.4	1.5C	2C	2C	46
	Flat-Top / PCB*	30004	2200	66	18	1.5C	1.5	1.5C	46
	Button Top w/ PCB*	30015	2200	66	18	1C	1C	1C	46
	Flat-top	30005-0	2600	65.2	18.4	1.5C	2C	2C	46.5
	Flat-top w/ Tabs	30005-1	2600	65.2	18.4	1.5C	2C	2C	46.5
	Flat-Top w/ PCB*	30006	2600	66	18	1.5C	1.5C	1.5C	46
18650P 3.7V	Button-Top w/ PCB*	30016	2600	66	18	1.5C	1.5C	1.5C	50
18650P 3.7V	Flat-Top / Paper-wrap	30013	1300	66	18	30C	10C	2C	45

* For information on custom packs, please see page 40 or visit www.Tenergy.com.

Tenergy Li-Ion Cylindrical Industrial Cells 26650



Type	Style	Part #	Capacity (mAh)	Dimensions (mm)		Standard Charge			Approx. Weight (g)
				Height	Diameter	Max. Pulse Discharge	Max. Continuous Discharge	Max. Charge	
26650 3.7V	Flat-top / Paper Wrap	30014-0	3000	66	26.5	20C	10C	1C	89
	Flat-top w/ Tabs	30014-1	3000	66	26.5	20C	10C	1C	89

* For information on custom packs, please see page 40 or visit www.Tenergy.com.



Tenergy Rechargeable RCR Batteries

- Tenergy's rechargeable RCR123A cells are available in either Li-Ion or LiFePO₄ chemistries. Both versions are designed to work with many conventional electronics (e.g. cameras) and to work with specially designed LED flashlights*.

Either version is available in bulk or in retail packing combinations which include a specially designed Smart Charger.

*Not recommended for any SureFire Flashlights, or other brands of incandescent (Halogen, Keyton, Xenon, etc.)



Tenergy Rechargeable RCR Batteries



Part #	Size	Packaging	Voltage (V)	Capacity (mAh)	Chemistry	Dimensions (mm)		Approx. Weight (g)
						Height	Diameter	
30201	RCR123A	Bulk	3.7	900	Li-Ion	32	16	17
30202	RCR123A	Retail Clamshell 4x Cell & Charger	3.7	900	Li-Ion	32	16	17



Part #	Size	Packaging	Voltage (V)	Capacity (mAh)	Chemistry	Dimensions (mm)		Approx. Weight (g)
						Height	Diameter	
30200	RCR123A	Bulk	3.2	750	Li-FePO ₄	32	16	18
30203	RCR123A	Retail Clamshell 2x Cell & Charger	3.2	750	Li-FePO ₄	32	16	18

Tenergy Rechargeable RCR Batteries



Smart Charger for RCR123A 3.0V 900mAh Li-Ion Rechargeable Batteries

Item# 01208

- Higher capacity for longer running time in your devices.
- Worldwide usage. Auto AC power adjust from 100-240V.
- Smart, build-in microprocessor automatically switch off when batteries are fully charged.
- Safe, build-in IC provides various protections: thermal protection, overcharge protection, short-circuit protection, mechanical and electrical protection against reversal polarity, and auto defective battery identification.
- Convenient, 12V car cigarette lighter plug for on the road charging.
- Charge 1 to 2 RCR123A from 2.7 hours to 5.4 hours. Peak voltage of 3.7V Li-Ion will be 4.2V after fully charged.



Smart Charger for RCR123A 3.0V 750mAh LiFePO₄ Rechargeable Batteries

Item# 01207

- Worldwide usage. Auto AC power adjust from 100-240V.
- Smart, build-in microprocessor automatically switch off when batteries are fully charged.
- Safe, build-in IC provides various protection, thermal protection, overcharge protection, short-circuit protection, mechanical and electrical protection against reversal polarity, and auto defective battery identification.
- Convenient, 12V car cigarette lighter plug for on the road charging.
- Charge 1 to 2 RCR123A from 1.5 hours to 3 hours. Peak voltage of 3.0V Li-Ion will be 3.6V after fully charged.



Tenergy Li-Polymer Batteries

- Tenergy Lithium Ion Polymer (Li-Po) rechargeable battery cells are used in a wide range of consumer, business, medical, military, industrial and special applications. Our cells are available from mid-size to large form factors.

At 3.7V, Tenergy Corporation offers the richest selection of high-quality Li-Polymer batteries for your application and budget.

- UL and UN Certified.
- Application fields:
- Consumer Electronics
- Business Electronics
- Medical
- Military
- Industrial

Tenergy Li-Polymer Battery

3.7V
<1000mAh

Part #	Model	Capacity (mAh)	Dimensions (mm)			Discharge Rate		Max. Charge	Approx. Weight (g)
			Height	Width	Thickness	Max. Pulse Discharge	Max. Continuous Discharge		
30117-0	401221	60	25	13	4	180ma	120ma	120ma	2.3
30133-0	501221	80	21	12	5	120ma	80ma	80ma	2.4
30114-0	382030	150	30	20	3.8	240ma	160ma	160ma	4
30157-0	461540	220	40	15	4.6	330ma	220ma	220ma	5
30151-0	472527	285	25	27	4.7	427ma	285ma	285ma	7
30162-0	502248	480	22	48	5	720ma	480ma	480ma	10
30153-0	433048	640	30	48	4.3	960ma	640ma	640ma	15
30191-0	603040	680	39	29	4	1020ma	680ma	680ma	13
30111-0	PL383562	800	63	35	3.8	600ma	400mA	400mA	20
30147	613048	800	30	48	6.1	1200ma	800ma	800ma	18
30143-0	463455	900	55	34	4.6	1350ma	900ma	900ma	18
30190-0	523450	1000	125	45	7.3	1500ma	1000ma	1000ma	18

* For information on custom packs, please see page 40 or visit www.Tenergy.com.

3.7V
1000mAh-2000mAh

Part #	Model	Capacity (mAh)	Dimensions (mm)			Discharge Rate		Max. Charge	Approx. Weight (g)
			Height	Width	Thickness	Max. Pulse Discharge	Max. Continuous Discharge		
30142-0	553759	1250	60	37	5.5	1875ma	1250ma	1250ma	26
30189-0	103048	1500	45	28	9	2250ma	1500ma	1500ma	27
30158-0	554362	1600	43	62	5.5	2400ma	1600ma	1600ma	29
30188-0	103450	1700	50	32	7.5	2550ma	1700ma	1700ma	31
30166-0	6532100	2000	100	32	6.5	3000ma	2000ma	1000ma	41

* For information on custom packs, please see page 40 or visit www.Tenergy.com.

3.7V
>2000mAh

Part #	Model	Capacity (mAh)	Dimensions (mm)			Discharge Rate		Max. Charge	Approx. Weight (g)
			Height	Width	Thickness	Max. Pulse Discharge	Max. Continuous Discharge		
30156-0	925050	2200	50	50	9.2	330ma	2200ma	2200ma	4.2
30137-0	3568100	2400	100	68	3.5	3600ma	2400ma	2400ma	50
30107-0	6050100	3000	101	50.5	6	4500ma	3000ma	3000ma	60
30149-0	586090	3000	90	60	5.8	4500ma	3000ma	3000ma	56
30159-0	0648125	3200	48	125	6	4800ma	3200ma	3200ma	60
30512	6745135K	4000	135.5	45.5	7	4500ma	3000ma	4000ma	98
30187-0	7045125	4500	125	45	7.3	6750ma	4500ma	2250ma	82
30160-0	753096	5000	134.5	63.5	6.2	7500ma	5000ma	5000ma	102
30186-0	7063135	5000	134.5	63.5	6.2	7500a	5000ma	5000ma	102
30123	9759156	10000	156	59	9.7	10000ma	5000ma	10000ma	205
30104-0	7872196	10000	197	72	7.8	15000ma	10000ma	10000ma	235
30103-0	75150168	16000	168	150	7.5	24000ma	16000ma	16000ma	355

* For information on custom packs, please see page 40 or visit www.Tenergy.com.



TENERGY LiFePO₄ Batteries

■ **TENERGY Lithium Iron Phosphate (LiFePO₄)** batteries have distinguished advantages of long cycle life (up to 2000 cycles), inherent safety, fast charging, and competitive price. This emerging power technology has already been widely adopted into power tools, electrical bikes, and electrical vehicles.

Our LiFePO₄ rechargeable batteries are used in portable consumer, business, medical, military, industrial, storage and special applications. With multiple form factors and capacities, TENERGY Corporation offers a rich selection of high-quality cylindrical cells for your application and budget.

UL and UN Certified.

Application fields:

- Automotive
- Industrial
- UPS (uninterruptible power supply)
- Medical
- Military



TENERGY LiFePO₄ Power Cells



Part #	Model	Capacity (mAh)	Dimensions (mm)		Max Pulse Discharge	Max Continuous Discharge	Max Charge	Approx. Weight
			Height	Diameter				
30065	IFR18650P-1300	1300	65	18	20	10	1.3	41
30067	IFR26650P-2500	2500	65	26	37	22	5	86
30075	38120P	8000	122	38	160	80	80	300

* For information on custom packs, please see page 40 or visit www.TENERGY.com.

TENERGY LiFePO₄ Energy Cells



Part #	Model	Capacity (mAh)	Dimensions (mm)		Max Pulse Discharge	Max Continuous Discharge	Max Charge	Approx. Weight
			Height	Diameter				
30064	IFR18650E-1500	1500	65	18	4.5	3	1.5	42
30066	IFR26650E-3100	3100	65	26	9.3	6.2	3.1	87
30068	IFR26650E-3300	3300	65	26	9.9	6.6	3.3	87
30070	IFR32650-5000	5000	66	32	25	12.5	7.5	135
30074	38120	10000	122	38	100	50	30	300
30076	38140S	12000	142	38	120	60	36	400
30077	40120S	11000	135	40	120	60	36	380
30078	40152S	15000	152	40	150	75	45	480

* For information on custom packs, please see page 40 or visit www.TENERGY.com.

TENERGY LiFePO₄ Prismatic Cells



Part #	Model	Capacity (mAh)	Dimensions (mm)			Max Pulse Discharge	Max Continuous Discharge	Max Charge	Approx. Weight
			Length	Width	Thickness				
30206	6581230	8000	232	82	6.7	24	8	8	231
30207	8081230	10000	232	82	8.2	30	10	10	285
30208	1181245	15000	240	82	11.5	45	15	15	410
30209	70173248	20000	248	174	7.2	60	20	20	570
30229	11198141	20000	143	199	11.5	60	40	20	585

* For information on custom packs, please see page 40 or visit www.TENERGY.com.

TENERGY 12V LiFePO₄ - SLA Battery Replacement



Part #	Model	Capacity (mAh)	Dimensions (mm)			Approx. Weight (g)	Max Discharge	Max Charge Rate
			Height	Width	Thickness			
31382	12V	7000	95	151	64	1000g	40A	
31383	12V	10000	95	151	64	1200g	40A	



Li-Po/LiFePO4 Airsoft Battery Pack

- **Team Tenergy** is a market leader for battery powered Airsoft gun power packs and accessories.

Tenergy has combined its world-class engineering and sales/marketing efforts to launch the new standard for Airsoft packs. Both Li-Po (Lithium Polymer) and LiFePO4 (Lithium Iron Phosphate) battery packs offer longer run-time, longer shelf-life, faster charge, and greater cycle-life than NiMH and NiCd battery packs.

Li-Po and LiFePO4 also have higher energy density and higher voltage per cell, so you benefit from lighter weight and more compact battery packs. Of course, all Tenergy Airsoft packs are designed to provide increased rate of fire (ROF).

To compliment the line of Li-Po and LiFePO4 packs, Tenergy is also your source for smart chargers, balancing chargers, multi-chemistry universal chargers, pack balancers, and battery alarm/testers.



Li-Po Airsoft Battery Pack



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
7.4V	31615	1200	20	140	20	11	Stick	Mini Tamiya	63
	31604	1600	20	87	35	14	Flat	Mini Tamiya	95



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
11.1V	31268	1200	20	140	20	17	Stick	Mini Tamiya	93
	31270	1600	20	113	35	16	Flat	Mini Tamiya	125
	31700	1600	20	103	33	6	Nunchuck	Mini Tamiya	140

LiFePO4 Airsoft Battery Pack



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
9.6V	31562	1200	15	103	33	13 / 6.5	Nunchuck	Mini Tamiya	137
12.8V	31563	1200	15	103	33	13	Nunchuck	Mini Tamiya	177

Airsoft Battery Accessories



Tenergy Li-Po Battery Power Level Tester & Alarm

Item# 52023

- Perfect tool for use with Li-Po Airsoft packs – indicates when to recharge battery
- Red LED flashed when pack falls below 3.3V per cell
- Alarm sounds with pack is below 3.0V per cell
- 37mm x 21mm x 10mm, 5g.
- Can be used for 3.7V, 7.4V, and 11.1V packs
- For used with Li-Po only



Li-Po Safety Sack

Item# 52017

- Designed to mitigate the effects of a Lithium-Polymer Battery charging mishap.
- Use with Lithium Polymer batteries when charging, storing, or transporting.
- Size: 18cm x 21.8cm and 23.7cm x 30cm

Li-Po RC Battery Pack



Li-Po RC Battery Pack

- Team Tenergy Li-Po (Lithium Polymer) RC packs are designed to meet the high performance for today's demanding RC enthusiasts. Manufactured to replace NiMH and NiCd packs and fit in standard car chassis, Tenergy's Li-Po RC car packs will maximize your performance.

Team Tenergy's line includes "soft" and "hard" packs of various capacities and configurations. Tenergy engineering team uses the best matching cells, cost reducing production, and state-of-the-art quality control and application testing to offer the best quality and most reliable Li-Po hobby packs in the market.

Tenergy's Industrial Application Division takes Li-Po technology beyond RC hobby packs. Our team of Sale-Engineers and Global Product Managers give us the best resource in product development, competitive pricing, and selection and supply. In addition to providing RC hobby packs, Tenergy also develops custom Li-Po solutions for many consumer and industrial applications.



Li-Po RC Battery Pack



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
3.7V	30530	160	15	44	12	16	mCX, mSR	Micro Molex	10
	30531	250	15	35	21	7	Blade Tandem	Micro Molex	10
	30536	500	15	58	21	8	Blade 120SR & T28 Micro Trojan	JST	12
	30194	250	25	41	17	5	MCPX	Micro Molex	



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
7.4V	31134	900	25	72	24.5	12.5	Blade CX/CX2	JST	43
	31104	900	10	71	25	12	Blade CX	JST	43
	31199	5000	50	137	46	24	2S Hard Case	Bullet / Deans	289
	31150	5000	25	135	44	22	2S Hard Case	Bullet / Bare Leads	260



Type / Voltage	Part #	Capacity (mAh)	Max Discharge Rate	Dimensions (mm)			# of Cells and Configuration	Connector	Approx. Weight (g)
				Length	Width	Height			
11.1V	31251	900	25	71	25	17	Blade CP Pro	JST	65
	31242	1350	20	72	35	23	Parkzone Mustang	EC3	110
	31265	1600	20	89	34	20	3S Soft Case	Traxxas	128
	31280	2200	25	105	35	23	400/450 Class Heli	Deans	169
	31261	2200	25	108	34	22.5	400/450 Class Heli	EC3	185
	31289	5000	25	134	41	31	3S Soft Case	Traxxas	382
	31284	5000	25	134	41	31	3S Soft Case	Deans	382



Tenergy Sealed Lead Acid Batteries

- Tenergy's Sealed Lead Acid Batteries (SLA) are manufactured with high quality and performance. These SLA batteries are cost effective for a wide variety of consumer and commercial applications. We offer two popular product lines: 6V SLA from 1.2Ah to 7Ah as well as 12V from 4.5Ah to 80Ah. These batteries have a wide operating temperature range of -20C to 60C, which make them suitable for both in-door applications as well as deployment in the field.

Tenergy also provides a line of popular SLA battery chargers that are designed with high and manufactured with quality and charge efficiency.



Sealed Lead Acid Batteries (SLA)



Type / Voltage	Part #	Volt	Capacity (mAh)	Dimensions (mm)	Max Discharge Rate (A)	Terminal	Approx. Weight (g)
6V	40804	6	1.2	97 x 24 x 57.5	18	T1	0.62
	40805	6	7	151 x 34 x 100	105	T1	2.54
	40809	6	4.5	70 x 47 x 106	67.5	T1	1.79
	40810	6	3.2	134 x 34 x 66	48	T1	1.48



Type / Voltage	Part #	Volt	Capacity (mAh)	Dimensions (mm)	Max Discharge Rate (A)	Terminal	Approx. Weight (g)
12V	40800	12	4.5	90 x 70 x 107	60	T1	3.11
	40801	12	7.2	151 x 65 x 100	108	T1/T2	5.2
	40802	12	12	151 x 98 x 101	180	T1/T2	7.85
	40803	12	1.2	97 x 43 x 58	18	T1	1.26
	40806	12	20	181.5 x 77 x 167.5	300	T3/T12	12.74
	40807	12	38	197 x 165 x 170	456	T6/T12	26.9
	40808	12	80	259 x 168 x 208	806		52.9



Tenergy Alkaline Batteries

- Although Tenergy has earned its reputation by offering high quality rechargeable batteries and an endless resume of custom power solutions, Tenergy also provides a line of consumer Alkaline.

Tenergy Alkaline batteries offer the same (or better) performance than many of the major brand names we've all grown up with. Tenergy Alkaline are available in both retail cards and industrial bulk packaging.



Tenergy Alkaline Batteries



Size	Part #	Packaging	Dimensions (mm)	
			Height	Diameter
AA	40300	Bulk	50.5	14.5
	40900	24 Box	50.5	14.5
	40333	Retail 4- Card	50.5	14.5
	40349	Retail 4- Card Special Edition Camouflage	50.5	14.5
	40347	Retail 4- Card Special Edition Hawaiian	50.5	14.5
	40348	Retail 4- Card Special Edition Pink Leopard	50.5	14.5
	40350	Retail 4- Card Special Edition Gamer	50.5	14.5
	40341	Retail 8-Card	50.5	14.5



Size	Part #	Packaging	Dimensions (mm)	
			Height	Diameter
AAA	40301	Bulk	45	11
	40901	24 Box	45	11
	40334	Retail 4- Card	45	11
	40342	Retail 8-Card	45	11



Size	Part #	Packaging	Dimensions (mm)	
			Height	Diameter
C	40302	Bulk	50	26
	40902	12 Box	50	26



Size	Part #	Packaging	Dimensions (mm)	
			Height	Diameter
D	40303	Bulk	60	33
	40903	12 Box	60	33



Size	Part #	Packaging	Dimensions (mm)		
			Height	Width	Depth
9V	40308	Bulk	48	26	16
	40921	12 Box	48	26	16
	40345	Retail 1-Card	48	26	16
	40346	Retail 2-Card	48	26	16



Tenergy Lithium CR Batteries

- The line of CR batteries are unique in both having a wide market of consumer and industrial applications, but are not always easy to find and identify.

Tenergy has a strong reputation for offering the essential CR batteries such as the high demand CR123A and CR2. These cells are widely utilized in the tactical application market for high end LED flashlights, laser sightings, digital camera, etc. In addition to the CR line, Tenergy also offers the non-rechargeable Lithium 9V for several applications requiring longer run time than the standard alkaline can offer. Not only does this cell surpass in its longevity it also withstands a wider range of temperature levels.



Tenergy Lithium CR123A Batteries



Part #	Size	Packaging	Voltage (V)	Capacity (mAh)	Chemistry	Dimensions (mm)		Approx. Weight (g)
						Height	Diameter	
30220	CR123A	Bulk	3.0	1300	CR (Li-MnO ₂)	32	16	16
30214	CR123A	Bulk	3.0	1400	CR (Li-MnO ₂)	32	16	16
30407	CR123A	Retail 2-Card	3.0	1400	CR (Li-MnO ₂)	32	16	16
30406	CR123A	Retail 4-Card	3.0	1400	CR (Li-MnO ₂)	32	16	16

Tenergy Lithium CR2 Batteries



Part #	Size	Packaging	Voltage (V)	Capacity (mAh)	Chemistry	Dimensions (mm)		Approx. Weight (g)
						Height	Diameter	
30402	CR2	Bulk	3.0	750	CR (Li-MnO ₂)	26.7	15.1	11

Tenergy Lithium 9V Batteries



Part #	Size	Packaging	Voltage (V)	Capacity (mAh)	Chemistry	Dimensions (mm)			Approx. Weight (g)
						Length	Width	Height	
30313	9V	Bulk	9.0	1200	Li-SOCl ₂	25.3	17.5	48.3	45



Tenenergy Consumer Battery Chargers

■ **Tenenergy Consumer Batteries chargers** are known for its reliable quality, unique designs, and wide selection for NiMH Batteries. We offer a range of chargers to meet varying consumer's needs for performance and cost. This section we share with you about our **Universal Battery Chargers** that charges AA, AAA, C, D and 9V NiMH cells, **NiMH AA-AAA Battery Chargers** with LCD or LED, and **Compact NiMH AA-AAA Battery charger**.

Universal Consumer Battery Chargers

Part #	Charger Model	Supported Battery Size					Cut-Off Mechanism	Features
		AAA	AA	C	D	9V		
01100	T1199B Battery Charger	•	•	•	•	•	<ul style="list-style-type: none"> Manual Timer Based Charging Safety Timer Protection 	<ul style="list-style-type: none"> 110-120v Only Support (US) 4 Charging Slots
01111	T2299 Smart Charger	•	•	•	•	•	<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) Safety Timer Protection Short Circuit Protection Reverse-Polarity Protection Bad Cell Detection 	<ul style="list-style-type: none"> 110-120v Only Support (US) Car Adapter Included 4 Charging Slots Car Charging Adapter
01119	BC1HU Smart Charger	•	•	•	•	•	<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) Over temperature protection Short Circuit Protection Reverse-Polarity Protection Bad Cell Detection 	<ul style="list-style-type: none"> Worldwide Input: 110-240v 4 Charging Slots Independent Channels Discharge Function
01127	T9688 LCD Smart Charger w/USB	•	•	•	•	•	<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) Over temperature protection Short Circuit Protection Safety Timer Protection Reverse-Polarity Protection Bad Cell Detection 	<ul style="list-style-type: none"> LCD Display Worldwide Input: 110-240v 4 Charging Slots Independent Channels Built-In USB Outlet Discharge Function
01190	TN190 LCD Advanced Charger w/USB	•	•	•	•	•	<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) Over temperature protection Short Circuit Protection Safety Timer Protection Reverse-Polarity Protection Bad Cell Detection 	<ul style="list-style-type: none"> LCD Display Worldwide Input: 110-240v 4 Charging Slots Independent Channels Built-In USB Outlet Discharge Function

NiMH AA-AAA Battery Chargers

Part #	Charger Model	Supported Battery Size		LCD Display	Cut-Off Mechanism	Features
		AAA	AA			
01156	TN156 LCD Smart Charger	•	•	•	<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) Short Circuit Protection Reverse Polarity Protection Safety Timer Protection 	<ul style="list-style-type: none"> LCD Display Worldwide Input: 110-240v 4 Independent Charging Channels Car Charging Adapter Charging Current:
01108	T3150 Compact Smart Charger	•	•		<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) 	<ul style="list-style-type: none"> Worldwide Input: 110-240v 4 Charging Slots Built-in Compact Plug-In Adapter
01138	TN138 Compact LED Smart	•	•		<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) Short Circuit Protection Reverse Polarity Protection 	<ul style="list-style-type: none"> Worldwide Input: 110-240v 4 Independent Charging Channels Built-in Compact Plug-In Adapter Charging Current:

Compact NiMH AA-AAA Battery Chargers

Part #	Charger Model	Supported Battery Size		LCD Display	Cut-Off Mechanism	Features
		AAA	AA			
01153	TN153 Compact Charger	•	•	•	<ul style="list-style-type: none"> Fixed Charge Rate 	<ul style="list-style-type: none"> 110-120v Only Support (US) 2 Charging Slots Built-in Compact Plug-In Adapter
01142	TN142 Quick Compact Charger	•	•	•	<ul style="list-style-type: none"> Delta V Cut-Off (Auto Charging) Reverse Polarity Protection Short Circuit Protection 	<ul style="list-style-type: none"> 2 Independent Charging Slots Worldwide Input: 110-240v Built-in Compact Plug-In Adapter



Tenergy Consumer High Volume Battery Chargers

Tenergy offers a series of NiMH chargers that can charge large quantities of rechargeable cells at a time. The two popular product lines that Tenergy offers are:

- High Volume AA/AAA NiMH battery chargers that can charge up to 12 cells at a time. These chargers are designed with all of the latest safety features as well as LCD screens or LED indicators.
- High Volume 9V NiMH battery fast chargers. Tenergy offers a unique line of chargers that can charge up to 10 NiMH 9V cells at a time. One of the biggest benefits that set these chargers apart is the high charging current these chargers offer. With currents up to 100mA per charging bay in comparison to the competitors 20mA current, you can charge your 9V's at nearly 5 times the speed.



High Volume AA-AAA NiMH Chargers



Part #	Charger Model	Supported Battery Size		Cut-Off Mechanism	Features
		AAA	AA		
01160	TN160 12-Bay Smart Charger	•	•	<ul style="list-style-type: none"> • Delta V Cut-Off (Auto Charging) • Safety Timer Protection • Short Circuit Protection 	<ul style="list-style-type: none"> • LCD Display • Worldwide Input: 110-240V • 8 Charging Slots • Independent Charging Channels
01157	TN157 8-Bay Smart Charger	•	•	<ul style="list-style-type: none"> • Delta V Cut-Off (Auto Charging) • Safety Timer Protection • Short Circuit Protection 	<ul style="list-style-type: none"> • Worldwide Input: 110-240V • 8 Charging Slots • Independent Charging Channels
01145	TN145 8-Bay Charger	•	•	<ul style="list-style-type: none"> • Manual Timer Based Charging • Safety Timer Protection • Short Circuit Protection • Reverse Polarity Protection 	<ul style="list-style-type: none"> • Worldwide Input: 110-240V • 110-120v Only Support (US) • 8 Charging Slots

High Volume 9V NiMH Fast Chargers



Part #	Charger Model	Supported Battery Size	LED Display	Cut-Off Mechanism	Features
		9V			
01141	TN141 Smart 9V 2 Bay Charger	•	•	<ul style="list-style-type: none"> • Delta V Cut-Off (Auto Charging) • Reverse Polarity Protection • Short Circuit Protection • Safety Timer Protection 	<ul style="list-style-type: none"> • Charging Current: 100mA • Worldwide Input: 110-240v • 2 Charging Slots • Independent Channels
01136	TN136 Smart 9V 4 Bay Charger	•	•	<ul style="list-style-type: none"> • Delta V Cut-Off (Auto Charging) • Reverse Polarity Protection • Short Circuit Protection • Safety Timer Protection 	<ul style="list-style-type: none"> • Charging Current: 100mA • Worldwide Input: 110-240v • 4 Charging Slots • Independent Channels
01137	TN137 Smart 9V 10 Bay Charger	•	•	<ul style="list-style-type: none"> • Delta V Cut-Off (Auto Charging) • Reverse Polarity Protection • Short Circuit Protection • Safety Timer Protection 	<ul style="list-style-type: none"> • Charging Current: 100mA • Worldwide Input: 110-240v • 10 Charging Slots • Independent Channels



Tenergy Li-Ion Cylindrical Battery Chargers

- Tenergy's selection of chargers includes a variety of unique and exclusive Li-Ion cell chargers. Our charger line up supports a wide range of cells including most popular sized Li-Ion cells, but their technical capabilities put them into a league of their own. With ability to safely charge cells at incredibly fast rates or charging multiple cells for batch use, Tenergy offers one of the most dynamic ranges of solutions in the market.



Li-Ion RCR123A Cell Chargers



Part #	Charger Model	Supported Battery Size	LED Display	Cut-Off Mechanism	Features
01208	Smart Charger for RCR123A 900mAh Battery	RCR123A	Yes	<ul style="list-style-type: none"> Thermal Protection Overcharge protection Shot-circuit Reverse Polarity 	<ul style="list-style-type: none"> 12V Car Charger Built-in microprocessor Compact size
01268	Tenergy TN268 for RCR123A 900mAh Battery	RCR123A	Yes	<ul style="list-style-type: none"> Thermal Protection Overcharge protection Shot-circuit Reverse Polarity 	<ul style="list-style-type: none"> Charges 1-4 cells Built-in microprocessor Compact size

Li-Ion 18650/18500/14500 Cell Chargers



Part #	Charger Model	Supported Battery Size			LED Display	Cut-Off Mechanism	Features
		18650	18500	14500			
01269-01	Tenergy 2-Channel Li-Ion Battery Charger	•	•	•	Yes	<ul style="list-style-type: none"> Overcharge protection Shot-circuit Reverse Polarity 	<ul style="list-style-type: none"> Constant current and voltage charging modes 1000mAh current per channel
01270	Tenergy TN270 Li-Ion Charger	•	•	•	Yes	<ul style="list-style-type: none"> Overcharge protection Shot-circuit Reverse Polarity 	<ul style="list-style-type: none"> AC & DC Inputs Constant current and voltage charging modes Independent charging channels



Tenergy Battery Pack Chargers

Tenergy's battery pack chargers are designed and manufactured based on years of dedicated application research and development as well as combined technical talents of electrical engineers, software engineers and battery engineers. We offer three lines in this battery pack charger category:

1. Universal Balancing Battery Chargers. These chargers can charge batteries of all major chemistries: NiMH, NiCd, Li-Ion / Li-Po, LiFePO₄.
2. NiMH Battery Pack Chargers. These are dedicated to deliver high charging efficiency for NiMH battery packs of various applications: RC Car batteries, Airsoft gun batteries, and other application NiMH batteries.
3. Li-Ion / Li-Polymer Battery chargers. These are dedicated to charge Li-Ion / Li-Po battery packs. We have a over 30 models of battery chargers in this category. We can also custom design the chargers for your application needs as well.



Tenergy Universal Balancing Battery Chargers



Part #	Charger Model	Supported Battery Chemistry				Features
		NiMH	NiCD	Li-PO	Li-Fe	
01321	Tenergy TB6B 50W Balancing Charger	•	•	•	•	<ul style="list-style-type: none"> Built-in Balancer Safety Timer Protection Maximum Charging Limit for Safety
01322	Tenergy TB6AC 50W/5A AC/DC Dual Power Balancing Charger	•	•	•	•	<ul style="list-style-type: none"> Built-in Power Supply Safety Timer Protection Built-In Balancer Maximum Charging Limit for Safety Includes Multiple Charging Harnesses
01328	Tenergy TB6AC 50W/5A AC/DC Dual Power Balancing Charger (Retail Packaging)	•	•	•	•	<ul style="list-style-type: none"> Built-in Power Supply Safety Timer Protection Built-In Balancer Maximum Charging Limit for Safety Includes Multiple Charging Harnesses
01267	Tenergy 1-4 Cells Li-PO/Li-Fe Balance Charger			•	•	<ul style="list-style-type: none"> Compact Size Built-in Balancer 1A Charge Rate
01253	Tenergy Vantage B6s Plus Advanced Balancing Charger	•	•	•	•	<ul style="list-style-type: none"> Compact Size Built-in Balancer Safety Timer Protection Maximum Charging Limit for Safety
01329	Tenergy TB6x4 Intelligent Four-Channel Balance Charger	•	•	•	•	<ul style="list-style-type: none"> Able to Charge 4 Packs Built-In Balancer Safety Timer Protection Maximum Charging Limit for Safety Power Source Separate

Tenergy NiMH Battery Pack Chargers



Part #	Charger Model	Supported Battery Chemistry		Features
		NiMH	NiCD	
01026	Tenergy Smart Charger for 8.4V-9.6V NiMH Airsoft & RC Battery Packs	•	•	<ul style="list-style-type: none"> Charges 7-8 NiMH Battery Pack Negative Delta V Detection Built-in Mini Tamiya Connector
01025	Tenergy Smart Universal Charger for 6V - 12V NiMH/NiCD Battery Packs	•	•	<ul style="list-style-type: none"> Multi-current Smart Charger 1A-2A Selectable Charging Current Negative Delta V Detection Safety Timer Protection Includes standard and mini Tamiya connectors
01336	Tenergy Smart Universal Charger for 6V - 12V NiMH/NiCD Battery Packs (Retail Packaging)	•	•	<ul style="list-style-type: none"> Multi-current Smart Charger 1A-2A Selectable Charging Current Negative Delta V Detection Safety Timer Protection Includes Multiple Charging Harnesses
01027	Tenergy Smart Universal Charger for 12V-24V NiMH/NiCD Battery Packs	•	•	<ul style="list-style-type: none"> Charges 10-20 Cell NiMH/NiCd Battery Pack Negative Delta V Detection 500mAh Charging Current Safety Timer Protection

Tenergy Li-Ion/Li-Polymer Battery Pack Chargers



Part #	Charger Model	Supported Battery Chemistry		Features
		Li-Ion	Li-PO	
01211	TLP-2000 Tenergy Universal Smart Charger for Li-Ion/Polymer battery Pack	•	•	<ul style="list-style-type: none"> Charges 1-4 Li-Ion/Li-Po Cells Selectable 500mAh-1000mAh Charging Current Reverse Polarity Protection
01281	TLP-4000 for 3.7-14.8V 1-4 Cell 1A Li-Ion/Li-Po Battery Pack	•	•	<ul style="list-style-type: none"> Charges 1-4 Li-Ion/Li-Po Cells Auto-switch output Reverse Polarity Protection



Tenergy OEM and Custom Solutions

- Tenergy provide customized battery and charger solutions for your needs. We offer turn-key solution for both retail oriented product designs and for industrial applications. Our team of engineers and product specialists can work closely with you from product concept through volume production and logistic support globally.

Check more on our capabilities at www.tenergy.com. We are your partner in batteries and chargers.



Battery Pack Customization Form

Why Battery Packs?






Cells are like eggs. They come in fixed voltages and capacities. You can't get half an egg, and you can't get half a cell, at least in voltage. Capacities do vary, particularly with a supplier like Tenergy that has a great variety of cell sizes available, but voltages don't. A NiCd or NiMH cells are 1.2 volts nominal, lead acid is 2.0 volts nominal and the various lithium technologies are about 3.6 volts per cell. If you need more voltage you have to add them in series, if you need less voltage you need some kind of voltage regulator or DC/DC converter.

If you need more current you may need to put cells in parallel. If you need more capacity you may need to put cells in parallel.

Many times the physical configuration makes it more attractive to use many small cells rather than a few large cells. We are also Custom design and manufacture of state-of-the-art battery chargers, UPS, and power supplies for OEMs in a hurry.

Basic Battery Pack Configurations

There is basically 5 different configurations for cylindrical base cells. The Li-Polymer Packs has less combination.

B Format	In B Format, cells are placed end to end welded in line to maintain a good connection.	
C Format	C Format is where the cells are glued side by side and then welded together to build up the battery.	
Cluster	Cells are glued into a cluster formation and interlinked with solder tags to form the battery.	
Nested	Cells are glued into an in-line nested formation and interlinked, with solder tags to form the battery.	
SBP (Standard Battery Pack)	Cells are glued side by side and interlinked, with solder tags to form the battery.	

Tenergy Custom Battery Pack Solution-Questionnaire

Please use the following form to define your needs. You can fax this form back to us for more discussion.

Contact Info
 Your Name: _____ Company: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____ Country: _____
 Tel: _____ Fax: _____ E-mail: _____

Pack Information
 Application Summary: _____
 Electrical Requirements: _____
 Used for: Power Source: _____ Others: _____
 Operating Voltage: Max: _____ Volts Nominal: _____ Volts
 Minimum (Cut-off): _____ Volts Constant Current: _____ mA Burst Current: _____ mA
 Burst Load Profile: Duration: t= _____ seconds (Repetition Rate) T _____ Times/Hour
 Qualification Tests: _____ Expected Life: _____ Cycles or Year Operating: _____ Years

Environmental Requirements:
 Storage Temperature: Max: _____ °F Mean: _____ °F Min: _____ °F
 Operating Temperature: Max: _____ °F Mean: _____ °F Min: _____ °F
 Temperature Profile: Please specify percentage of time per temperature-special condition of humidity, shock, vibration, etc.

Size and Dimensions of Cell: _____ AA/AAA/C/D/F NiMH or Li-ion or Li-Polymer Cells or any other special size cells such as 2/3AA, 4/3A, etc.
 Preferred Cell Size: _____
 Max. Space Available: Length: _____ mm Width: _____ mm Height: _____ mm
 Estimated Quantity: Prototype: _____ pcs First Order: _____ pcs
 Other Comments: _____



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