



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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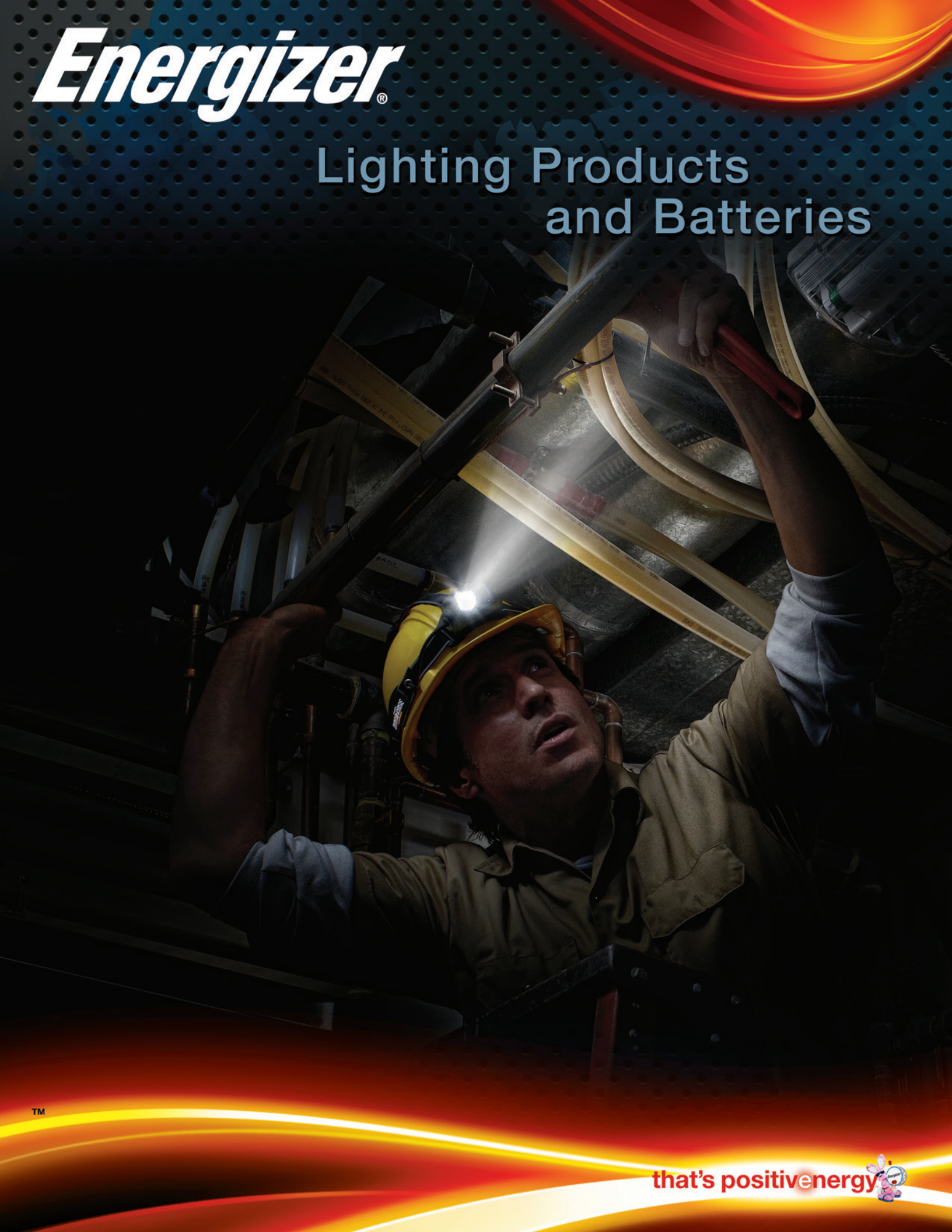
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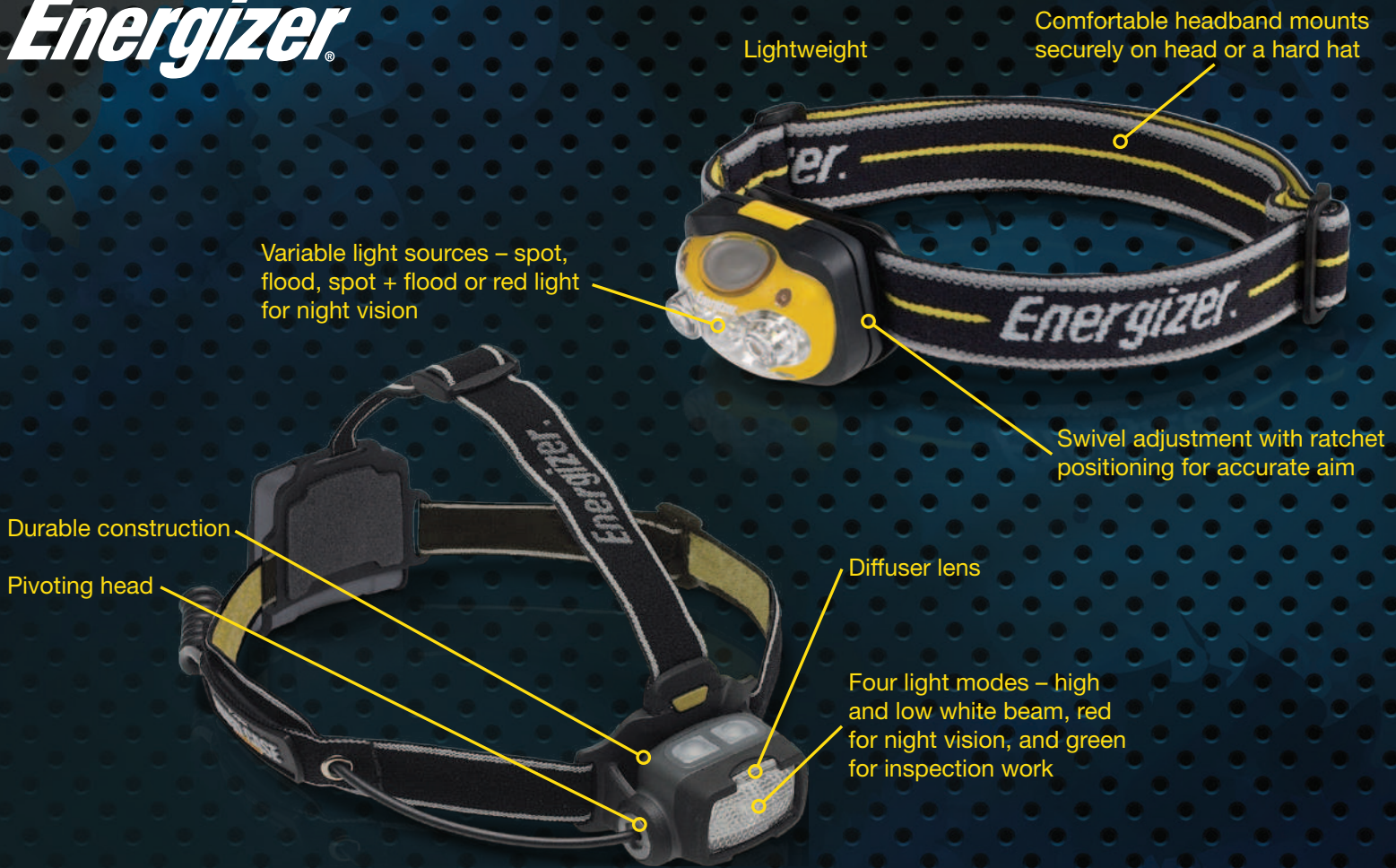
Energizer[®]

Lighting Products and Batteries



TM

that's positivenergy 



Comparing Lights and Beams

Use the icons below to find the right light. ANSI has flashlight standard performance measurements that help!

Every *Energizer*® portable directional lighting product follows the American National Standards Institute (ANSI) FL1 Standard.

ANSI FL1 Standard measurements eliminate confusion and clearly communicate the features of lighting products to help consumers make informed decisions about which product is best suited for their needs. Performance measurements are used for product-to-product comparison.

Light Output

FL 1 STANDARD

85 LUMENS

The light projected from a flashlight will be expressed in units of lumens.

Impact Resistance

FL 1 STANDARD

5m

After six drop tests, the flashlight must maintain all previous established measures.

Water Penetration Rating

FL 1 STANDARD **FL 1 STANDARD**

1m

Clear definitions outlined about the difference between water resistant, waterproof and submersible.

Runtime

FL 1 STANDARD

15h

Duration the light will operate continuously until projected light is dim.

Beam Distance

FL 1 STANDARD

100m

Distance the light projects onto a surface.

Hands-free Lights

Comfortable and secure, **Energizer**® headlamps and cap lights are ideally suited for virtually any indoor or outdoor task that requires hands-free lighting – with adjustable lighting modes, multiple color LEDs and the ability to direct light where it's needed.

Energizer Industrial® 6 LED Headlight

- Four light modes – spot, flood, spot + flood or red light for night vision
- Swivel adjustment with ratchet positioning
- Comfortable headband
- Packed with three AAA **Energizer**® MAX® batteries

HDL33AINE



Energizer Industrial® Contractor Beam



- Four light modes – high and low white beam, flood and green for inspection work
- Dual push-button switches
- Swivel adjustment with ratchet positioning
- Includes pencil holder clips
- Packed with three AAA **Energizer**® MAX® batteries

INH5L32E

High Performance LED Headlight



- Four light modes – high and low spot and high and low flood
- Two easy-to-operate switches control light
- Easy open battery compartment
- Stylish and comfortable adjustable head strap
- Packed with three AAA **Energizer**® MAX® batteries

HD5HP32E

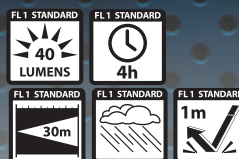
Hard Case® LED Headlight



- Four light modes – high and low white beam, red light for night vision and green for inspection work
- Hands-free lighting; light pivots to direct beam where needed
- Flip-up lens diffuses spot to area light
- Non-slip strap with removable top strap
- Water resistant
- Packed with three AA **Energizer**® MAX® batteries

TUFHD31PE

Energizer Industrial® 360° Hardhat LED Light



- Three light modes – high and low bright white flood beam and red light for night vision
- Versatile clip attaches securely to hard hat
- Light swivels 360°
- Large separate push buttons
- Water resistant with rugged construction
- Packed with one AA **Energizer**® MAX® battery

INCAP11EH

Industrial Handhelds

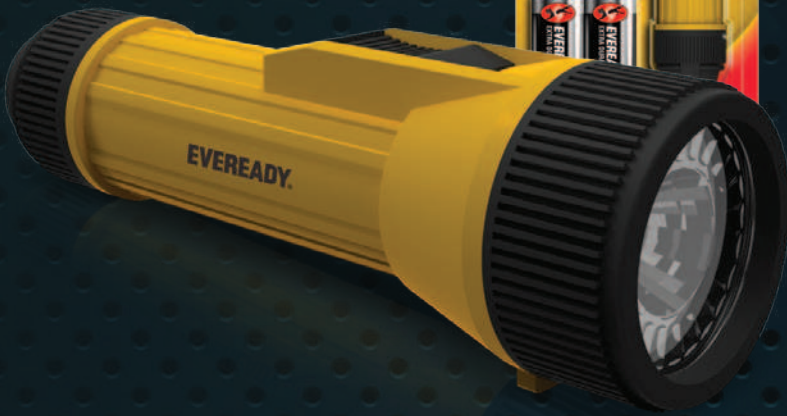
Whether it's water resistant, shatterproof or hands-free, we're always thinking up ways to make our lighting more convenient for you to work with. We offer many different options in our line of industrial work flashlights and lighting, but they all share one thing – rugged dependability.

Eveready® Industrial Economy 2D LED Flashlights

- Constructed from non-conductive materials
- Chemical-resistant polypropylene body resists staining and corrosion
- Built-in hanging ring
- 1251L uses two D batteries (not included); EVINL25S is packed with two Eveready Super Heavy Duty® D batteries

1251L Bulk

EVINL25S Retail Packaging

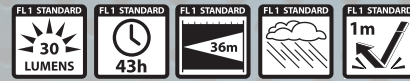


Eveready® Industrial Economy 2AA LED Flashlights

- Constructed from non-conductive materials
- Chemical-resistant polypropylene body resists staining and corrosion
- Built-in hanging ring
- 1151L uses two AA batteries (not included); EVINL21S is packed with two Eveready Super Heavy Duty® AA batteries

1151L Bulk

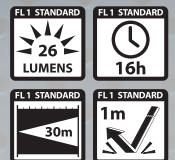
EVINL21S Retail Packaging



Energizer Industrial® Larger LED Rubber Light

- Non-slip textured handle with built-in stand for hands-free use
- Large push-button switch for use with gloves
- Shatterproof lens
- Packed with two AA **Energizer**® MAX® batteries

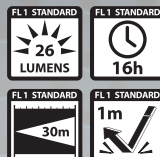
INRUB21EH



2 LED Rubber Light

- Bright white LED
- Non-slip textured handle with built-in stand; large push-button switch
- Shatterproof lens
- Packed with two AA **Energizer**® MAX® batteries

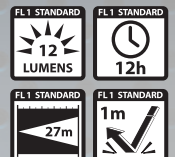
ENRUB21EH



LED Rubber Light

- Bright white LED
- Non-slip textured handle with built-in stand; large push-button switch
- Shatterproof lens
- Packed with two AAA **Energizer**® MAX® batteries

ENRUB22EH



Intrinsically Safe

Energizer® Intrinsically Safe® lights are designed and built with the rugged features hard-working professionals need and appreciate on the job. Built-in safety elements of **Energizer®** Intrinsically Safe® lights eliminate risk to workers in potentially hazardous situations.

Energizer Intrinsically Safe® LED Headlight

- Class 1 Div 1 rated
- Four light modes – high and low white beam, red light for night vision and green for inspection work
- Hands-free lighting; light pivots to direct beam where needed
- Flip-up lens diffuses spot to area light
- Non-slip strap stays put
- Water resistant
- Packed with three AA **Energizer®** MAX® batteries

MSHD31BP



Energizer Intrinsically Safe® 2AA LED Handheld



- Class 1 Div 1 rated
- Built-in carabiner belt clip
- Push button switch
- Oil and grease resistant body; waterproof
- Shatterproof lens
- Packed with two AA **Energizer®** MAX® batteries

MS2AALED



Energizer Intrinsically Safe® 2D LED Handheld



- Class 1 Div 1 rated
- Built-in carabiner belt clip
- Push button switch
- Oil and grease resistant body; waterproof
- Shatterproof lens
- Packed with two D **Energizer®** MAX® batteries

MS2DLED



Hard Case® Pro Handhelds

No matter what a job demands in portable lighting, *Energizer* Hard Case Professional® flashlights can meet the challenge with their rugged dependability and innovative LED technology.

Energizer Hard Case Professional® LED Inspection Light



- High and low modes for brightness and runtime control
- Slim, compact design with one-handed easy operation
- Impact-resistant rubber head and tail with non-slip grip
- Shatterproof lens
- Water resistant
- Packed with two AAA *Energizer*® MAX® batteries

TUFPL22PH



Energizer Hard Case Professional® LED Task Light



- High and low modes for brightness and runtime control
- Compact, anti-roll design with push button switch
- Rugged construction
- Shatterproof lens
- Water resistant
- Packed with two AA *Energizer*® MAX® batteries

TUF2AAPE



Energizer Hard Case Professional® LED Project Light



- High and low modes for brightness and runtime control
- Bright white LEDs produce tight spot beam
- Push button switch
- Rugged and durable construction
- Shatterproof lens
- Water resistant
- Packed with four AA *Energizer*® MAX® batteries

TUF4AAPE



Energizer Hard Case Professional® LED Swivel Light



- Four light modes – high and low white beam, red for night vision and green for inspection work
- Flat base and swivel-head rotates 125°
- Sturdy clip attaches to belt or strap
- Water resistant
- Packed with two AA *Energizer*® MAX® batteries

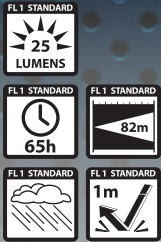
TUF21PE



Lanterns & Area Lights

Energizer® lanterns and spotlights are the answer for big area lighting, offering bright white light, exceptional runtimes and multiple features and light modes. **Energizer®** area lights are a safe, reliable way to provide bright, 360° area lighting long into the night or while weathering a storm.

Eveready® 6V Floating Lantern



- Large reflector and handle
- Push button switch
- Floats head up; non-roll base
- Packed with an Eveready® six-volt lantern battery

5109LS

Weatherready® LED Folding Lantern



- Three modes: high, low, and night light
- Eight bright LEDs
- Folds out for 360° illumination; folds down compact
- Large carrying handle
- Runs on four D batteries (not included)

FL452WRBP

Energizer Hard Case Professional® LED Spotlight



- Provides 360 meters of beam distance for searching
- Beam intensity of 32,000 candela
- Impact and water resistant
- Packed with four C **Energizer®** MAX® batteries

TUF4CPE

Energizer Solar® LED Folding Lantern



Full Solar Charge 3 Alkaline D Batteries



- Dual energy source for performance and versatility – solar-charged batteries and three alkaline D batteries
- Solar panel folds out to maximize sun exposure for battery charging
- Choose bright area light or an amber night light setting
- Folds out for 360° illumination or down to provide 180° illumination
- Powerful enough to light a room or a campsite

SOLRE35BP

Energizer Hard Case Professional® LED Area Light



- Three bright wide angle LEDs
- Impact-absorbing rubber overmold
- Simply push lens to activate
- Two mounting options – magnetic mount (for use under hood of car) and wall mount (for work benches)
- Packed with three AA **Energizer®** MAX® batteries

TUFPAL31

Weatherready® Emergency Weather Station



- Combines LED Area Lantern with NOAA Emergency Radio, featuring AM/FM radio
- Easy-to-read digital display
- LED lantern folds out for 360° area light
- Cell phone charger using standard USB port
- Dual power options – eight AA batteries (not included) or crank power

WRWS81BP

*Light output measured from LED. Value is only applicable to LED. Actual device output may vary.

**Based on area light use, low setting.

Tactical Handhelds

Energizer® Hard Case® Tactical® lights are virtually indestructible, multi-functional, lightweight and versatile.

High-Intensity Flashlight

- Durable machine high strength aluminum casing with knurled grip
- Nylon lanyard
- Push-button tail switch
- Water resistant
- Packed with two AA *Energizer®* MAX® batteries

EMHIL21E

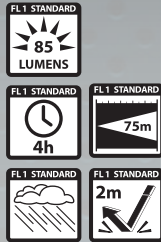


Energizer Hard Case Tactical® LED 1AA Metal Light



- High-performance LED
- Durable machined aluminum with knurled non-slip grip
- Pocket clip and woven lanyard
- Tactical tail switch
- Packed with one AA *Energizer®* MAX® battery

MLT1WAAE

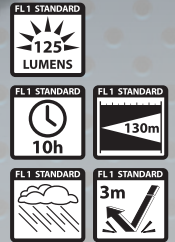


Energizer Hard Case Tactical® LED 2AA Metal Light



- High-performance LED and long-range reflector
- Durable machined aluminum with knurled non-slip grip
- Woven lanyard
- Tactical tail switch
- Packed with two AA *Energizer®* MAX® batteries

EMHIT21E



Weatherready® Rechargeable LED Light



- Two light modes: high and low
- Turns on when power goes out
- Prongs fold in; only covers one outlet
- Recharges hundreds of times
- Compact size

RCL1NM2WR

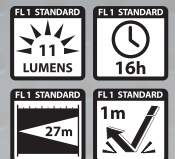


Personal LED Penlight



- Bright LED
- Durable aluminum construction with steel pocket clip
- Pen style push-button switch
- Slim and lightweight
- Packed with two AAA *Energizer®* MAX® batteries

PLED23AEH



Batteries

Ultimate Lithium Batteries

- Lasts up to 9x longer* in digital cameras for 9x less waste**
- Lasts up to 7 hours longer* in handheld GPS devices
- Performs well in extreme temperatures, from -40°F to 140°F (-40°C to 60°C)
- Great for use in flashlights, cameras, GPS equipment, and digital and wireless devices

Battery No.	Size	Pack	Case
L91BP-2	AA	2	24
L91BP-4	AA	4	24
L91BP-8	AA	8	12
L91	AA	24	144
L92BP-2	AAA	2	24
L92BP-4	AAA	4	24

*Vs. Energizer® MAX®. Results vary by device.

**Use fewer batteries, create less waste.

Energizer®
ULTIMATE
LITHIUM



Lithium Batteries

Battery No.	Size	Pack	Case
EL123APBP	3V	1	24
EL123APB2	3V	2	24
EL123DP12	3V	12	72
EL1CR2BP	3V	1	24
LA522	9V	12	48
LA522SBP	9V	1	12
LA522SBP2	9V	2	12



Industrial® Alkaline Batteries

- No mercury added
- Operates well in temperature extremes
- Excellent shelf life – alkaline cells are ready for use even after seven years of storage

Battery No.	Size	Pack	Case
EN91	AA	24	144
EN92	AAA	24	144
EN93	C	12	72
EN95	D	12	72
EN22	9V	12	72
EN529	6V	1	6

Energizer®
INDUSTRIAL®



Batteries

Energizer MAX® Alkaline Batteries

- Power Seal Technology holds power for up to 10 years** in storage
- Long-lasting power for your everyday life
- Makers of the world's 1st zero mercury* AA alkaline battery

Battery No.	Size	Pack	Case
E91MP-8	AA	8	48
E91FP-12	AA	12	24
E92MP-8	AAA	8	48
E92FP-12	AAA	12	24
E93FP-8	C	8	12
E95FP-8	D	8	12
522FP-4	9V	4	24
528	6V	1	4
529	6V	1	6
E96BP-2	AAAA	2	12

*Commercially available since 1991.

**When not in use.

Energizer
max.



Energizer Recharge® Power Plus

- Up to 5 Year Battery life*
- Lasts up to 4x longer*
- Precharged

Battery No.	Size	Pack	Case
NH15BP-2	AA	2	24
NH15BP-4	AA	4	24
NH12BP-2	AAA	2	24
NH12BP-4	AAA	4	24
NH35BP-2	C	2	24
NH50BP-2	D	2	24
NH22NBP	9V	1	24
CHPROWB4	AA/AAA Charger	1	3
CHFC	Family Charger	1	3

*Total usable life under typical usage patterns.

**In digital cameras v. Energizer® MAX®. Results vary.

Energizer
recharge.



CHFC

Batteries

Eveready® Super Heavy Duty® Batteries

- Leak Resistance Guaranteed* (AA, C, D only)
- Ready to use for up to 3 years** (AA, AAA, C, D)
- Zero added mercury and cadmium (AA, AAA, C, 9V)
- Quality seal for trusted power

Battery No.	Size	Pack	Case
1215	AA	24	192
1212	AAA	12	48
1235	C	12	192
1250	D	12	192
1222	9V	12	72
1209	6V Lantern	1	12
732	12V Screwtop Lantern	1	6

*Based on IEC standard service tests.

**When not in use.

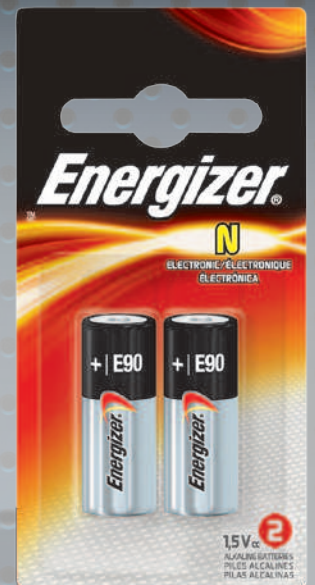
EVEREADY®



Watch and Electronics Batteries

- Ideal for small devices such as keyless entry, medical devices, electronics, scales, garage door openers, LED lights, tape measures, laser pointers, alarms, stud finders, levels and many more

Battery No.	Volt	Pack	Case
357BPZ	1.5	1	72
377BPZ	1.5	1	72
ECR2016BP	3	1	72
ECR2025BP	3	1	72
ECR2032BP	3	1	72
ECR1632BP	3	1	72
A23BPZ	12	1	72
E90BP-2	1.5	2	48





Energizer[®]

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