

Dual Use AA Battery Solar Charger

The Global Solar Energy AA Battery Solar Charger rapidly charges rechargeable batteries or converts to a 12V charger for cell phones, GPS and other small electronic devices all within a compact, lightweight package. The GSE AA Battery Solar Charger is ideal for charging outdoors. Unfolded in the sun, the charger will begin charging immediately and charges AA batteries in less than one hour per battery. The charging lights confirm if the batteries are charging or fully charged.

Application:

Recharge 2 or 4 AA rechargeable (NiMH or NiCad) batteries to provide power for any device that uses AA batteries. Dual use capability enables charging of 12V devices such as cell phones, radios, or GPS while outdoors.

Benefits:

- Combines lightweight portable power with military ruggedness
- Reduces requirement to carry extra AA batteries
- **Anti-glint surface for minimal glare**
- Supports rapid deployment and power needs in remote locations
- 12V charging option provides power for emergency needs
- 12V charging option tops off various battery types to produce maximum run time
- Highly effective battery charging with high efficiency solar cells

Features:

Rapid Charging -

- **Charges 2 or 4 AA Cells in less than 4 hours in direct sunlight**
- Able to charge NiMH or NiCD AA rechargeable batteries only
- **Additional port for 12V charging of personal devices or trickle charge larger batteries**
- Built-in thermal shading feature keeps batteries cool during charging, for faster charge rates
- Temperature limited to protect batteries
- Optional cable accessory pack enables connectivity for 12V charging

Charge Indicator - Controller "status" indicator lights during daylight operation as follows:

- | | |
|-------------------------------------|-------------------------------------|
| • Charging | ----- Flashes 1 sec. ON - 1 sec OFF |
| • Batteries fully Charged | ----- Solid ON |
| • Charge Terminated by 6-hour Timer | ----- Flashes 3 times then Pauses |
| • Charger Evaluating Batteries | ----- Flashes 2 times then Pauses |

Safety Features - Embedded microcontroller senses battery voltage and ambient temperatures and adjusts for optimal charging. Microcontroller detects two or four batteries installed and modifies current accordingly. Timer set to stop charging after 3 or 6 hours, resets when new batteries are installed or product is exposed to sunlight again. Thermal tent to prevent batteries from overheating due to sunlight.

Small & Lightweight - Rugged, durable and lightweight. Easily folds into a tight carrying pack for simple transport and storage.



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AA Solar Charger folded



AA Solar Charger with batteries in place



AA Solar Charger tenting batteries



AA Solar Charger using 12V plug with cell phone

Batteries and cable accessories sold separately.



Dual Use AA Battery Solar Charger - TECHNICAL SPECIFICATIONS

AA Solar Charger Specifications

Dimensions Folded	5.5" x 9"
Dimensions Unfolded	36.875" x 8.75"
Weight (w/o batteries)	.68 lbs



AA Solar Charger folded

12V Solar Charging Specifications

Maximum Power (at STC)	5 W
Rated Load Voltage	12 V
Nominal Rated (at STC)	15.0 V
Rated Current (at STC)	0.3 A



AA Solar Charger unfolded

Dual Use AA Solar Charger Charge Times:

Charge time for 2 AA batteries	2 - 3 hrs
Charge time for 4 AA batteries	4 - 6 hrs
Cell phone charge time	4 - 6 hrs
GPS charge time	4 - 6 hrs



AA Solar Charger tenting
batteries



AA Solar Charger using
12V port for cell phone
charging



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