

Sundaya Ulitium Solar Light Kits

In 1-light, 2-light, 3-light or 4-light kits.
All individual parts also sold separately, including lights.

The Sundaya Ulitium is ideal for newcomers to solar energy due to the simplicity of the system. These are kits that the user can keep expanding according to the demand for lighting. Any of the Sundaya range of Ulitiums and T-Lites, can be added to the existing installation, module by module, similar in concept to a child's building blocks.

The Ulitium is Sundaya's recent generation of DC LED lighting products. Using energy-efficient LED technology, it allows for an affordable system, which is also modular and expandable according to the customer's needs. Starting typically with one system consisting of a small solar panel connected to a Ulitium lamp, the system can be expanded by adding more panels and lamps as required. The configuration can be as large as the user desires, spanning across the entire home. A Lithium battery pack is housed inside each Ulitium lamp, thus eliminating the need for a centralised controller and tedious maintenance. Because the energy consumption of the Ulitium is very low, it does not require large solar panels, making the Sundaya Ulitium range the best choice for solar DC lighting.

Main features:

- 240 Lumen light output (equal to 7W CFL bulb or 40W incandescent bulb).
- 23% efficiency (compared to 1% for incandescent and 5% for CFL).
- Built-in Energy Storage and charge control management electronics eliminates the need for a separate battery and controller. Automatic regulation of energy between devices connected to the same PV panel (or array of panels) means devices used the most will get the most recharging energy.
- Dimmable from 240 Lumen, to 120 Lumen and 25 Lumen. On/off position and dimming by integrated pull-cord switch.
- Extremely low energy consumption (see table below)
- Long battery life:
 - 7,500h @ 240Lm, equal to 3.4 years @ 6h/day
 - 15,000h @ 120Lm, equal to 6.8 years @ 6h/day
- Extremely long life of light-chips:
 - 20,000h @ 240Lm, equal to 9 years @ 6h/day
 - 40,000h @ 120Lm, equal to 18 years @ 6h/day
- Lights can charge from any 16 to 21 VDC source.
- System expandable from 1 lamp to 10 or 100 lamps, simply by adding and connecting more panels and lamps.
Each individual light requires approximately 3.6W_p worth of solar panel.
- Solar panel connects to each lamp through a connecting "Hub4".
- Solar panels in the kit come with 4.8m long cable attached and mounting bracket. Separate 4.8 metres long cables supplied for the lights. Pull cords are adjustable to 1.2m long.
- 1-light kit** contains: 3.6W PV panel; **2-light kit** contains: 7W PV panel; **3-light kit** contains: 11.2W panel; **4-light kit** contains: 14.2 W panel
- Lamps in kit are white.



3-light Ulitium kit

Switch position	Light Output		Power / Energy Consumption	Max. hours before recharge
	%	Lumens		
1	100	240	2.77 Watts	6 hours
2	50	120	1.39 Watts	12 hours
3	10	25	0.277 Watts	60 hours

Weight: 2 - 4 Kilograms

Warranty: 1 year



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