

# Sundaya Ulitium 3 Light Solar Kit

Cat.# SLK-U03

The Sundaya Ulitium is ideal for newcomers to solar energy due to the simplicity of the system. This is a kit that the user can keep expanding according to the demand for lighting and appliances. Other Sundaya kits can be added to the existing installation, module by module, very similar in concept to a child's building blocks.

The Ulitium is Sundaya's new generation of DC lighting products. Using the 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 centralized 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 in the years to come.

Main features:

- 1) 200 Lumen light output (equal to 7W CFL bulb or 40W incandescent bulb).
- 2) 23% efficiency (compared to 1% for incandescent and 5% for CFL).
- 3) Built-in Energy Storage (1.39Ah @12V) and management electronics (no need for separate battery and controller anymore). Solar panel plugs in directly to the lamp through a Hub (which provides lightning surge protections).
- 4) Dimmable from 200 Lumen, down to 100 Lumen, 20 Lumen, and off position, by integrated pull-switch.
- 5) Extremely low energy consumption:
- 6) Long battery life:  
7,500h @ 200Lm, equal to 3.4 years @ 6h/day  
15,000h @ 100Lm, equal to 6.8 years @ 6h/day
- 7) Extremely long life of light-chips:  
20,000h @ 200Lm, equal to 9 years @ 6h/day  
40,000h @ 100Lm, equal to 18 years @ 6h/day
- 8) 3 Light kit is supplied with 11.5W solar panel. Individual lights can be charged with very small solar panel of 3W<sub>p</sub>.
- 9) System expandable from 1 lamp to 10 or 100 lamps, simply by adding and connecting more panels and lamps.
- 10) Automatic regulation of energy between devices that are connected to same PV panel (or array of panels). Devices that are used most will get the most recharging energy the next day.
- 11) Can charge from any 32-36 cell PV solar panel or other DC source with an Open Circuit Voltage of between 18 and 25VDC.
- 12) The leads for the lights and the solar panel supplied in the kits are 4.8 metres long. Lamps in kit are white.



Weight: 4 Kilograms

Warranty: 1yr

## Specifications

Switch Position	Light Output		Power / Energy Consumption	Maximum Operating Hours without recharge Based on 12V 1.39 Ah battery storage
	(%)	Lumens		
1	100	200	0.232 Amps	6 hours*
2	50	100	0.116 Amps	12 hours
3	10	20	0.023 Amps	60 hours
Off (100%)			0.000347 Ah per day	10 years
Off (LVD)*			0.000347 Ah per day	6 months

Sundaya 1 Light Kit also available: Cat.# SLK-U01



## RAINBOW POWER COMPANY LTD

A.B.N. 74 003 323 420

1 Alternative Way, Nimbin, NSW 2480, Australia

phone: (02) 6689 1430  
international: phone: +61 2 6689 1088  
sales@rpc.com.au

fax: (02) 6689 1109  
international: fax: +61 2 6689 1109  
www.rpc.com.au