

The revolutionary Solar Home System concept:

Sundaya Ulitium



Aceste sistemele de iluminat si Televizorul solar integreaza electronica necesara si acumulatori Lithium-Ion. Prin utilizarea unei cutii de distributie (hub), unul sau mai multe module solare pot fi conectate direct la consumatori. Regulatorul solar nu este necesar in aceste sisteme.

Flexibilitate

Constructia modulara a acestui tip de sistem dezvolta conceptul de flexibilitate intr-un mod ingenios. Sistemul este extrem de util pentru garaje, rulote, cabane pentru vacanta dar si pentru case obisnuite. Puteti extinde intr-un mod extrem de util sistemul de lampi si televizoare, practic intr-un numar nelimitat. In functie de numarul lor si durata de utilizare, se va instala un panou fotovoltaic dimensionat corespunzator.

Eficienta

Este cunoscut ca lampile cu LED consuma extrem de putina energie electrica si sunt foarte eficiente. Pentru a obtine o cantitate de lumina de 240 Lumeni ([mai multe detalii...](#)), pentru mai mult de 6 ore, va fi nevoie de o cantitate de energie egala cu 8 KJ pe ora. Aceasta energie poate fi produsa de un singur panou fotovoltaic de 3W. Acest obiectiv este atins cu ajutorul lampilor Sundaya care au o eficienta foarte ridicata.

Modularitate

Acest produs este doar inceputul unei serii inovative de produse cu aplicatii directe in energia solara. Puteti extinde aceste sisteme cu alte lampi eficiente sau kit-uri de iluminat, un televizor solar STV (Sundaya Television), un laptop computer sau inverteoare pentru a furniza 220V, etc.

Posibilitatile sunt nelimitate.



Sundaya

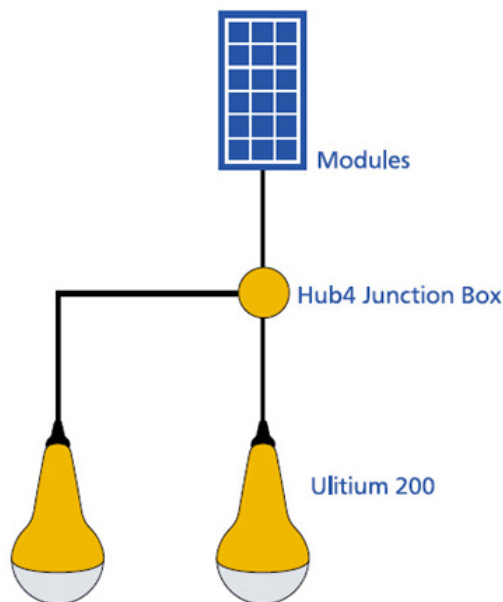


Why Ulitium?

Components needed	Ulitium Lightkit1 (incl. Cable, Module, Ulitium200, Hub4)	Solar Module, Charge Controller, Battery, Cable, Fluores-cent Compact Lamp, Fitting, Lamp Holder
Installation material	If necessary: Screwdriver, Drill machine	Screwdriver, Crimping tools, Cable sleeves, Cutter knife, Side cutter, Drill machine, ...
Installation time (end customer)	1 minute – no special knowledge necessary	> 15 minutes (depending on knowledge and instructio
Storage concept	Decentralised – thus unlimited expandable	Centralised – limited expandability
Availability	Any component needed is in the Lightkit	Different components from several suppliers needed – availability problems, time delays and compromises
Shop presentation	Professional mass-market conform light weight take-away lightkits	Mingle-mangle of single components – not suitable for mass-market presentation
Modularity	Concerted single components in kits with plug-and-play installation system and expandable with concerted components	Search for the right charge controller, that fits to the bat-tery and the module and so on – each component fro different supplier with different standards, no modularity
Switching and energy saving	Pull switch integrated – dimming of the lamp in three steps (100 %, 50% and 10%) with the pull switch and by that saving up to 90 % of the energy	No switch included – if switch is required, a special dim-ming switch has to be bought extra; otherwise no ener saving possible

Compara: Ulitium / Lampa Economica Fluorescent / Bec Incandescent

Putere Nominala [W]	1,44 W	7 W	40 W
Putere Lumina [Lm]	240 Lm	240 Lm	240 Lm
Durata de viata [h]	20.000 ore	8.000 ore	1.000 pre



System diagram Ulitium Lightkit 2

Ulitium light weight takeaway packages

1 Ulitium 200 Solar Lightkit white	(1 x Ulitium 200 white / 1 x 3 W module)	20 x 13 x 30 cm	1,55 kg
2 Ulitium 200 Solar Lightkit white	(2 x Ulitium 200 white / 1 x 6 W module)	30 x 13 x 30 cm	2,5 kg
3 Ulitium 200 Solar Lightkit white	(3 x Ulitium 200 white / 1 x 9 W module)	40 x 13 x 30 cm	3,6 kg
4 Ulitium 200 Solar Lightkit white	(4 x Ulitium 200 white / 1 x 12 W module)	50 x 13 x 30 cm	4,7 kg
1 Ulitium 200 Solar Lightkit coloured	(1 x Ulitium 200 green / 1 x 3 W module)	20 x 13 x 30 cm	1,55 kg
2 Ulitium 200 Solar Lightkit coloured	(2 x Ulitium 200 blue, red / 1 x 6 W module)	30 x 13 x 30 cm	2,5 kg
3 Ulitium 200 Solar Lightkit coloured	(3 x Ulitium 200 green, blue, red / 1 x 9 W module)	40 x 13 x 30 cm	3,6 kg
4 Ulitium 200 Solar Lightkit coloured	(4 x Ulitium 200 green, blue, red, yellow / 1 x 12 W module)	50 x 13 x 30 cm	4,7 kg
STV15" + 2 Ulitium	(2 x Ulitium 200 green / 1 x 21 W module /	-	8,8 kg

200 Lightkit	1 x STV15"		
STV19" + 2 Ulitium	(2 x Ulitium 200 green / 1 x 21 W module /	–	9 kg
200 Lightkit	1 x STV19")		

Appliances

Ulitium 200 red	(1,44 W / 8 kJ/h / 60 kJ storage / 240 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	350 g
Ulitium 200 green	(1,44 W / 8 kJ/h / 60 kJ storage / 240 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	350 g
Ulitium 200 yellow	(1,44 W / 8 kJ/h / 60 kJ storage / 240 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	350 g
Ulitium 200 blue	(1,44 W / 8 kJ/h / 60 kJ storage / 240 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	350 g
Ulitium 200 black	(1,44 W / 8 kJ/h / 60 kJ storage / 240 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	350 g
Ulitium 200 white	(1,44 W / 8 kJ/h / 60 kJ storage / 240 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	350 g
Ulitium 400 red	(2,88 W / 16 kJ/h / 120 kJ storage / 480 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 400 green	(2,88 W / 16 kJ/h / 120 kJ storage / 480 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 400 yellow	(2,88 W / 16 kJ/h / 120 kJ storage / 480 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 400 blue	(2,88 W / 16 kJ/h / 120 kJ storage / 480 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 400 black	(2,88 W / 16 kJ/h / 120 kJ storage / 480 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 400 white	(2,88 W / 16 kJ/h / 120 kJ storage / 480 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 600 red	(4,32 W / 24 kJ/h / 120 kJ storage / 720 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 600 green	(4,32 W / 24 kJ/h / 120 kJ storage / 720 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 600 yellow	(4,32 W / 24 kJ/h / 120 kJ storage / 720 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 600 blue	(4,32 W / 24 kJ/h / 120 kJ storage / 720 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 600 black	(4,32 W / 24 kJ/h / 120 kJ storage / 720 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
Ulitium 600 white	(4,32 W / 24 kJ/h / 120 kJ storage / 720 Lm / 4,8 m cable, plug and switch)	Ø110 x 170 mm	500 g
STV15" Lithium	(30 kJ/h / 270 kJ storage)	15" screen size	3,5 kg
STV19" Lithium	(90 kJ/h / 450 kJ storage)	19" screen size	3,5 kg

Solar Modules

LEC50	(3 W / 5 m cable + DC bayonet plug)	–	–
LEC100	(6 W / 5 m cable + DC bayonet plug)	–	–
LEC150	(9 W / 5 m cable + DC bayonet plug)	–	–
LEC200	(12 W / 5 m cable + DC bayonet plug)	–	–
LEC350	(21 W / 350 kJ/day / 5 m cable + DC bayonet plug)	–	–

**Installation
 Accessories**

Bayonet Plug DC Cable 120 cm	–	[L] = 120 cm	–
Bayonet Plug DC Cable 240 cm	–	[L] = 240 cm	–
Bayonet Plug DC Cable 360 cm	–	[L] = 360 cm	–
Bayonet Plug DC Cable 480 cm	–	[L] = 480 cm	–
Bayonet Plug DC Cable 600 cm	–	[L] = 600 cm	–
Hub4Junction Box	(Junction box for up to 4 bayonet plugs)	Ø80 x 37 mm	70 g

