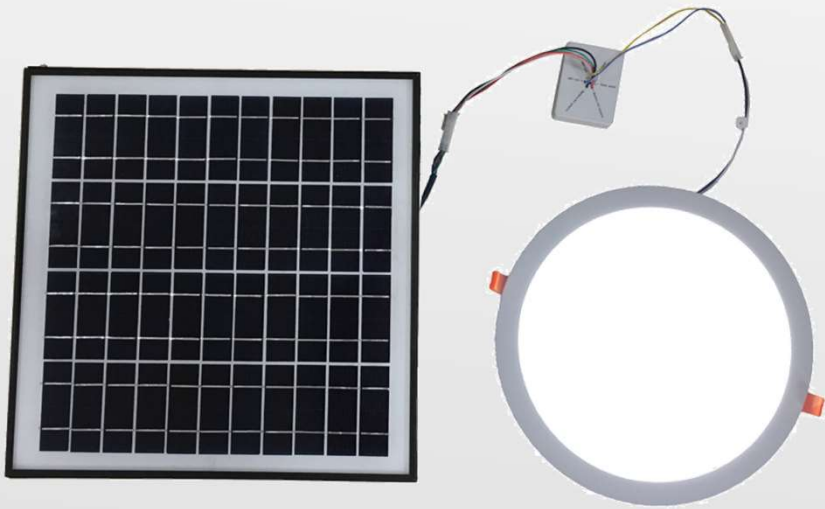


Solar LED Lighting System

Best Alternative Solution To The Conventional Solar Skylight

- Overturn The Traditional Daylighting Way
- No Need Pay For Electricity Bills
- No Destroy The Building Structures
- No Limit From The Installation Positions
- Easy To Install; Smart To Tell The Weather Conditions
- Sunshine Comes In All Naturally
- Lights On Even In The Night Time Periods



DESIGNED & MADE BY SINOLTECH ENERGY LIMITED

What & Why Solar LED Lighting



Solar LED Lighting v.s. Normal Electronic Lighting

Solar LED lighting is a new kind lighting system that its LED panels work under nature's free solar energy and **no need power consumption from grid electricity**, so you won't need to pay for electricity bills any more. It's an independent electrical system and **keeps lighting on even when city power is suddenly cut off**.

Solar LED Lighting v.s. Solar Skylight

Like a Solatube does, such new kind solar LED light gives you brightness from utilizing nature's inexhaustible sunlight. What distinguishes it further is that **a solar LED light will not ask you to open holes on the building roof, nor request you spend money to pay for those piping materials & the expensive labor**. Moreover, owe to no need of putting pipes, a solar LED light can satisfy your needs more flexibly even in brightening any dark or gloomy small space.

SOLAR LED LIGHTING SYSTEM

Your Concerns	Solar LED Light	Traditional Solar Skylight
Product Costs	Fair	High
Installation	Easy: quick to install (even DIY)	Troublesome: need a professional installer
Application	Broader: suitable for anywhere that is wanted to strengthen brightness	Limited: can't install in somewhere that can not fit the pipelines, as it needs to open holes on roof
Heat	No heat transfer	It may transfer heat
Leakage	No water leakage	It may happen water leakage
Bugs	No bugs even after long time usage	It may collect bugs in the light diffuser after certain time of usage
Can it work at night?	Possibly	No, it can only work in sunny hours
Can it light off?	Possibly	No, it keeps bright unless night time

SOLAR SKYLIGHT SYSTEM



Installation is just about a piece of cable

Installation is more about a big project

What & Why SINOLTECH Solar LED Lighting



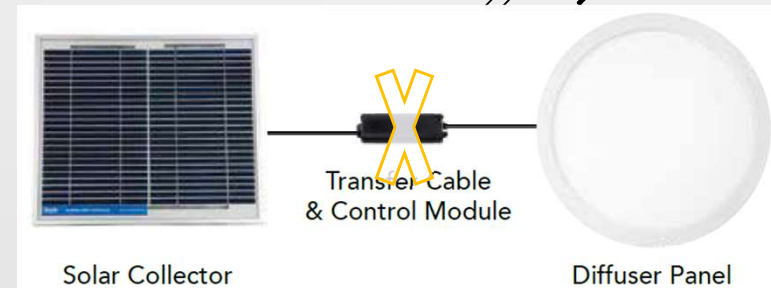
Solar LED lighting has already proved itself a great success in many countries in achieving a free-cost-daylighting purpose. However, those LED panels still conventionally need a Drive to light themselves up (this will lead to certain energy waste from the solar panel power going into the LED panel), and they stop working immediately should the sunlight is cut from availability.

To realize 100% solar panel powered, and to support the LED panel still light-on even at night time periods, SINOLTECH unique Solar LED Lighting Systems have been developed, and they are meant to fulfill your needs with more than you would expect!

Your Concerns	Other Solar LED Lights	SINOLTECH Solar LED Lighting Systems
What's included?	1pc solar module + 1pc LED panel + 1pc cable (include the LED Drive)	1pc solar module + 1pc LED panel + 1pc cable [+ other components when included] (not provided the LED Drive, as it's no need)
Is installation easy?	Yes, you can install it even DIY	Yes, you can install it even DIY
Can it work at night?	No, it can only work in sunny day periods	Yes, it can light-on even when without sunlight, by utilizing battery / grid electricity during the night time periods
Is there something to control the day lighting & night lighting systems?	No, it can only work in sunny day periods	Yes, a special LED controller will smartly take care of the power supplies in day time and in night time; You don't need to do any manual operation
Can the LED panel light off?	No, it lights on during all sunny day periods	Yes, can add a switch as per your request; It includes a Radar Sensor Controller in SINOLTECH's day & night lighting systems, and the LED panel will light off automatically once human has left
Will the light flash?	N/A	No, SINOLTECH's solar LED lighting system truly reflects the outside sunlight condition, and its lighting brightness transition is natural & smoothly
Is different size available?	Yes	Yes, we can make different size LED panels per your request, and make more practical systems like 1 solar module for 2 (or 4, or 6, etc.) LED panels



Solar LED Lighting Systems no need Drive to light up the LED panels



Other solar LED light products still need Drive to light up the LED panels

SINOLTECH Solar LED Lighting System / DAY ONLY



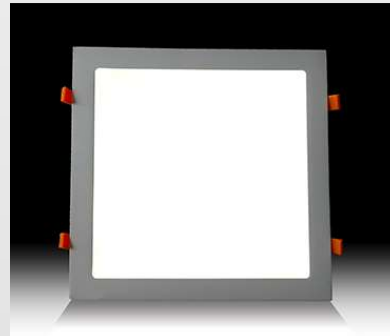
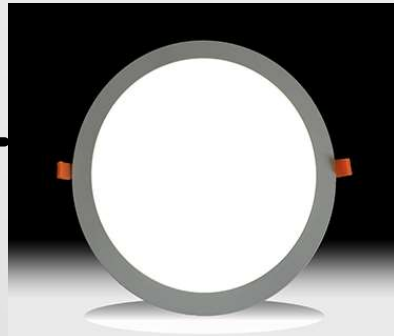
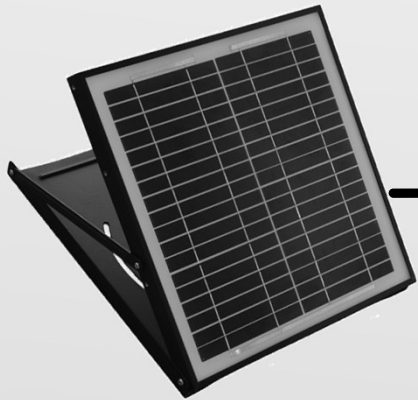
This is the basic system that solar module powers the LED panel to light on all the time during sunny day hours.

No LED Drive is used, so how much energy is the solar module generated, how much energy will the LED panel consume, as the system is 100% utilizing SOLAR!

Item#	Solar Panel Power	Solar Panel Size	Solar Panel QTY	LED Panel Shape	LED Panel Luminous Flux	LED Panel QTY	Wire Length	Work Time	Radar Sensor Controller	Package
SNC2015003	15W / 18V	365*365*25mm (angle adjustable)	1pc	Round 16V (Dia.300*12mm)	900LM	1pc	6m	Sunny day 12 hours	No	380X380X85mm / 4.75KGS
SN2016012	15W / 18V	365*365*25mm (angle adjustable)	1pc	Square 16V (300*300*12mm)	900LM	1pc	6m	Sunny day 12 hours	No	380X380X85mm / 4.95KGS

Since no energy waste, the indoor LED panel light is truly interactive with the exterior sunlight condition. You would be introduced of the outside weather by the light brightness change from the LED panel.

- Our LED Panel could bright itself even in normal cloudy / rainy days, as long as there is still sunlight.
- It basically works from 6 a.m. to 6 p.m., say 12 hours per day, but specifically depends on the local sunshine time.



SINOLTECH Solar LED Lighting System / DAY & NIGHT



These are the more advanced systems that solar modules + lithium batteries to power the LED panels light on both in sunny day time & sunless night time periods.

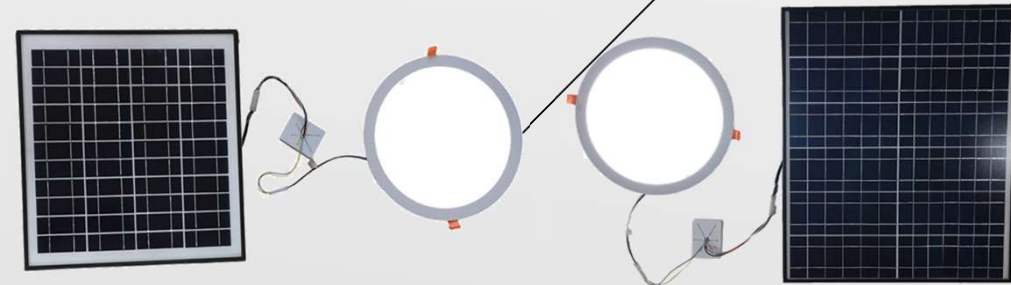
Our unique controller with radar sensor detector is included to smartly take care of the light-on / light-off of LED panel. It'll immediately turn on the light once you've come home, and it automatically turns off the light when you have left the house. You just don't need bother anything!

Item#	Solar Panel Power	Solar Panel Size	Solar Panel QTY	LED Panel Shape	LED Panel Luminous Flux	LED Panel QTY	Wire Length	Work Time	Radar Sensor Controller	Energy Backup Source	Package
SN2016001	15W / 22V	365*365*25mm (angle adjustable)	1pc	Round 16V (Dia.300*12mm)	900LM	1pc	6m	day + night, accumulated 5.3* hours	Yes (functions all the time)	Battery 3.2Ah	385X385X125mm / 5.75KGS
SN2016032	15W / 22V	365*365*25mm (angle adjustable)	1pc	Square 16V (300*300*12mm)	900LM	1pc	6m	day + night, accumulated 5.3* hours	Yes (functions all the time)	Battery 3.2Ah	385X385X125mm / 5.95KGS
SN2016004	15W / 18V + 15W / 21V	415*495*25mm (angle adjustable)	1pc	Round 16V (Dia.300*12mm)	900LM	1pc	6m	day + night, accumulated 17.3* hours	Yes (functions during sunless hours)	Battery 3.2Ah	435X525X115mm / 7.55KGS
SN2016033	15W / 18V + 15W / 21V	415*495*25mm (angle adjustable)	1pc	Square 16V (300*300*12mm)	900LM	1pc	6m	day + night, accumulated 17.3* hours	Yes (functions during sunless hours)	Battery 3.2Ah	435X525X115mm / 7.75KGS

The difference between these 2 designs:

- Work time of the LED panel: 5.3 hours v.s. 17.3 hours
 - Performance of the LED panel: radar sensor functions at different time
- * light on/off depending on human behaviors, no matter in day or night time
 * can light on/off basing on human behaviors only during night time, keeps light-on in all day time

These systems can even serve as emergency lighting devices should grid electricity is suddenly cut off!



SINOLTECH Solar LED Lighting System / DAY & NIGHT



This is another advanced system that solar module + backup energy source to power the LED panel light on both in sunny day time & sunless night time periods.

It differs to #SN2016004 / #SN2016033 in this system will consume grid electricity during the sunless periods. But it also includes our unique controller with radar sensor detector to intelligently take care of the light-on / light-off of LED panel, so you still don't need to bother anything!

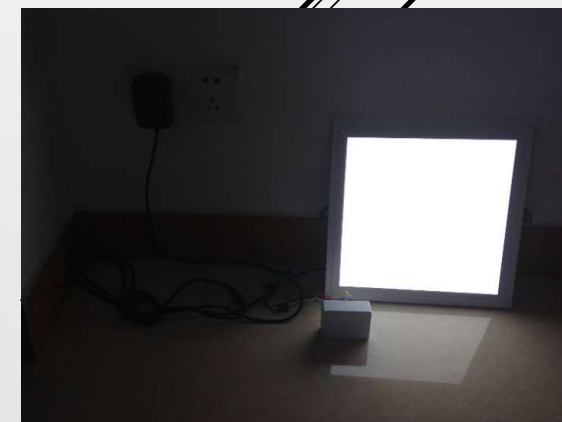
Item#	Solar Panel Power	Solar Panel Size	Solar Panel QTY	LED Panel Shape	LED Panel Luminous Flux	LED Panel QTY	Wire Length	Work Time	Radar Sensor Controller	Energy Backup Source	Package
SNC2015003 + SN2016030	15W / 18V	365*365*25mm (angle adjustable)	1pc	Round 16V (Dia.300*12mm)	900LM	1pc	6m	day + night, 24 hours	Yes (functions during sunless hours)	Grid Electricity 18V*1A	385X385X125mm / 5.2KGS
SN2016012 + SN2016030	15W / 18V	365*365*25mm (angle adjustable)	1pc	Square 16V (300*300*12mm)	900LM	1pc	6m	day + night, 24 hours	Yes (functions during sunless hours)	Grid Electricity 18V*1A	385X385X125mm / 5.4KGS



Characteristics of the AC/DC Power Adapter: 100-240V AC input, converted into 18V 1A DC output for the LED Panel

Accessories for installation:

all screws for mounting solar panel & LED panel are provided inside the package box



LED PANEL:

LED Chip Specification and Quantity: SMD2835LED , 100 PCS

Luminous Flux: 900 LM

Area Suitability: 5 m²

Color Temperature: 5000 – 5500K (Pure White)

Operating Temperature: -20°C To +40°C

Lifespan: 50,000 Hours

Housing Material: Aluminum 6063

(our LED panel's quality is assured good in its light heat & light attenuation are both very low; it won't get hot even after long time of lighting)

SOLAR PANEL:

Polycrystalline silicon cells, in tempered glass lamination

Lifespan: Pm is not less than 90% in 10 years and 80% in 25 years

CABLE:

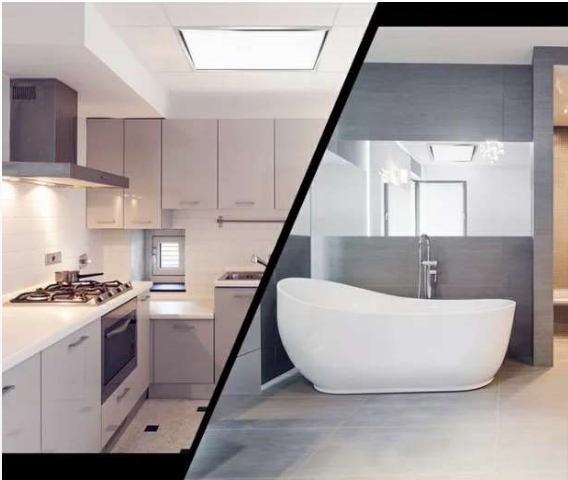
6m, AWG20#, anti-UV rubber cords

(each end is equipped with a directional plug, so it's just quick and easy to connect the wires between LED panel & solar panel)

WARRANTY: 2 YEARS FOR THE WHOLE SET OF PRODUCT

Product Quality & Warranty





From home to office, to underground parking, to supermarket, to school, to hotel, to hospital...
Anywhere may a LED panel be needed, anywhere will be a solar LED lighting system workable!

YOU PAY ONE TIME FOR THE PRODUCT COST ITSELF, SINOLTECH SOLAR LED LIGHTING SYSTEM WILL RETURN YOU ALL AND WITH MORE!





**THANK YOU FOR BEING INTERESTED IN
OUR SOLAR LED LIGHTING SYSTEMS!**

Please feel free to contact us for any further information:

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