SOLAR-POWERED LED LIGHTING & POWER SOLUTIONS

APPLICATIONS

(ALL-IN-ONE)

Sole Distributor
(Malaysia & Partners of South East Asia)
ABOUT OUR PRINCIPAL
Manufactures the world’s most technically innovative range of solar-powered LED lighting & power solutions and is renowned for its diverse product range which suit a wide range of applications. Our Green Friendly products has revolutionised the industry by offering unrivalled build quality and leading technology that has been proven to perform reliably in the world’s harshest conditions. Established in 1993, it is now a vibrant and fast growing international company with worldwide sales.
The company now has a strong and proactive management structure coupled with a skilled team of technical professionals who have expertise in both solar power energy and LED illumination systems.
It is one of only few companies worldwide that fully develops and manufactures the complete solar powered system ensuring total control over product development, quality & testing. We are leading the way with solar powered technology and the company has patents for its ‘All In One’ technology world wide.

SUSTAINABLE LIGHTING
We recognise the importance of providing solar powered lighting solutions that will assist our planet in striving for ongoing reductions in Co2 emissions.
The entire product range is powered by the clean, limitless energy of the sun and utilise a combination of the highest quality & efficient solar panels as well as intelligent technology such as MPPT (Multi Position Point Tracking) for even greater efficiency.

WORLD CLASS INNOVATION
We continually strive to provide our customers with the most intelligent and easy to install solar powered products. Its our constant focus on innovation and quality that makes us distinct from any other solar lighting company.
From developing the worlds first and original ‘All- In-One’ solar light, we will always be at the forefront of innovative design features for solar powered lighting & power solutions. All our models undergo rigorous testing to assess the effects of various different configurations of design to determine the best all round solution for our customers as well as the best possible solution at a price that meets the market needs.

WHY SYSCOM?
We offer our customers a ‘Total Solution’ approach not yet seen before that is tried, tested and exceeds their needs. We work exclusively with all types of government bodies, developers, architects and consultants to deliver the best and most practical solution possible.
Our range of Solar powered LED lighting products have revolutionised the industry by offering innovative and intelligent designs whilst providing environmentally friendly lighting solutions without the need for any mains powered electrical wiring.
Our Principal also has major international customers such as ABB, Danfoss, GGP, BP, Toshiba, Nexus Lighting and Impact Lighting.

Application

The Perfect Solution For…

- Energy Efficient Solar Street Lighting
- Solar Lights for Car Parks & Bus Shelters
- Solar Lighting for Remote Areas & Bushlands
- Solar Billboard and Signage Lighting
- Solar Courtyard & Solar Garden Lighting
- Energy Efficient Lighting for Mining and Rail
- Commercial Solar Lighting & Strata
- Council Solar Lighting Applications
- Jetties, Pontoons & Boat Ramps
- Security & Perimeter Solar Lighting
- Solar Lights for Pathways & Driveways
- Disaster Relief and Temporary Solar Lighting
- Retrofitting old street poles
- Efficient rooftop installation
- Commercial building walls settings
- Mobile Disaster Relief response
- Portable reliable lighting
- Multi directional Solar lighting on a single pole with special bracket
- Temporary solar event lighting
- Jetties, Pontoons & Boat Ramps
- Security & Perimeter
- Construction Sites
- Rural & Remote Area Lighting
- Mining & Industrial sites
- Strata & Public Area Lighting
TECHNOLOGIES & APPLICATIONS

Solar LED Street Lighting
(All-In-One)
‘ALL-IN-ONE’ ADVANTAGE
First world patented ‘All-In-One’ solar lighting technology boasts a new level of versatility & adaptability for a wide range of exterior lighting applications. Our systems seamlessly integrate a highly efficient Mono-Crystalline solar panel, durable and long lasting Lithium LiFePo4 batteries and other intelligent features all built into the one compact system.

LIGHTING THE WAY
Importantly, not only are our systems easy to install with its ‘plug & play’ wiring, but our diverse product range also offer our customers greater flexibility in selecting the most suitable sized system to ensure greater operating performance and affordability in illuminating a wide range of areas.
It uses new-generation Lithium LiFeP04 batteries which offers 3 times more storage and power capacity versus conventional Lead Acid batteries. Our battery design uniquely features many ‘small’ lithium iron battery’s packed into a ‘dual’ battery assembly that minimises stress and heat during both discharging and charging cycles ensuring long term reliability. Lithium Iron batteries are also able to discharge to an incredible 90% without any damage to them before the under voltage battery protection ‘cuts out’ any further operation.

Built tough to withstand the harshest and most extreme environments these lithium battery’s and smart protection features are up for the challenge; Our lithium battery’s are able to work in extreme heat of up to 65 degree celsius & some products can even have an optional thermal heating module added to keep the lights operating in sub freezing conditions as low as -40 degrees. Additionally, Our newly designed battery packs offer multi-protection technology that allows the ‘individual’ battery’s to work normally even in the unlikely event that some battery’s become damaged.
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Our entire range offers a break-through and valuable function in ‘remotely’ operating and monitoring the performance of each system; It uses a range of wireless connection technology’s such as Bluetooth or WiFi to securely ‘log-on’ to each solar light. Additionally, We had incorporated the latest in ‘mesh’ networking to provide our systems with ‘linkable’ communication between each solar light system that can be accessed remotely via GPRS or 433 technology.

**Operating Modes**
- Synchronise All Lights To Operate Identically
- Change The 'Built-in' User Defined Operation Modes
- Time Switch ‘On/Off’ Programming
- Dusk To Dawn Operation Via Photo Electric Cell

**System Health**
- Battery Voltage Status
- Solar Panel Charging Output
- Temperature
- Battery Autonomy (Amp Hours)
- Historical Performance Data

**BLUETOOTH**
It is developed its own smartphone ‘end user’ App available to download from either the iPhone or Android app stores that will provide our customers with the ability to individually communicate with each solar light. Once the smartphone and solar light are ‘paired’, the user is able to check the real time and historical system performance as well as alter the LED brightness, or change the ‘built-in’ lighting operation modes to suit specific applications.

**GPRS/433**
It utilises a world leading ‘mesh’ networking technology which allows all the solar lights within a single installation to wirelessly communicate with each other via a daisy chain sequence over long distances; For a low monthly fee which includes a GPRS cellular network connection, we are able to remotely offer our customers historical and real time performance monitoring as well as the flexibility to change the lighting operating profiles or LED brightness of the solar lights. AIR-LINK can also be accessed on-site via a laptop computer and a wireless communication device.
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**LED MODULE**

Our updated design utilises a new CNC production technique and is fabricated from aluminium extrusion which significantly improves LED thermal heat dissipation by up to 115%, this in turn improves the longevity of the LED’s promising more long term system reliability.

**CREE TECHNOLOGY**

Our range of LED light heads adopt ‘CREE’ LED chips which provide industry leading ‘bright & crisp’ illumination for 50,000 hours and beyond. The chips are highly efficient and powerful enough to meet the most demanding design requirements while offering superior illumination for a wide range of applications.

Lumen output efficiency improved by up to 15%
We in development with Cree have created a new LED lens that provides greater luminous uniformity and offers the ultimate in design flexibility. The beam pattern is perfect for laneways, pedestrian promenades, bicycle paths as well as minor roads and Car parks.

As an added service, we have our own internal lighting design team that use the latest in Lighting Simulation software for projects requiring calculation of lighting levels and photo-metric reports. This will ensure that the correct quantity of fittings, pole heights and spacings are offered for our customers specific needs.
Smart-Eye is an important safety enhancing feature that adopts the latest Panasonic passive-Infrared motion sensor technology. It detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘dim mode’ to ‘full-brightness’ depending upon whether motion is detected. This smart feature preserves battery power as well as increases passive security around the lights.
It is the world's most technically innovative range of solar-powered LED lighting & power solutions and is renowned for its diverse product range which suit a wide range of applications. Our Green Friendly products has revolutionised the industry by offering unrivalled build quality and leading technology that has been proven to perform reliably in the world’s harshest conditions.
CASE STUDIES

Solar LED Street Lighting
(All-In-One)
When the Sydney Cricket Ground Trust (SCGT) began to look for lighting alternatives for their defunct mains powered car park lighting system, solar powered LED lighting was top of mind. The central car park is used by several key sporting organisations such as the Sydney Swans, Sydney Roosters, Sydney United and Waratah’s football clubs which gave the SCGT the perfect opportunity to showcase its continued movement towards renewable energy alternatives.

With the help of the AE5 ‘All In One’ solar LED lighting system was proposed as the installation would represent the first LED solar site lighting installation at the establishment. The key deciding factors were performance, reliability, ease of retrofitting onto existing footings and appearance of the chosen system. The AE5 & AE6 solar lighting systems provided a sleek and elegantly appearing solution compared to conventional ‘bulky’ looking solar lighting systems and did not require any trenching of underground electrical cabling throughout the asphalted areas.

Additionally, the LED fixtures will virtually eliminate lamp replacements at the site. When combined with the solar-powered technology of the lights, the LED fixtures will also allow the SCGT to significantly reduce maintenance costs for their external lighting.

The solar lighting project carried out was not only a cost-effective solution, but also enabled the SCGT to demonstrate their commitment to promote sustainability to the public as well as key stakeholders of the facility.
Capital trail in Royal Park is centrally located behind the Zoo in the City of Melbourne. The historical park is built around the concept of providing an ecological park setting within a urban environment and the Capital trail provides an important link from the rail station to various points of interest throughout the park. In order for the community to fully enjoy the space, the City of Melbourne recognised the need for an important piece of infrastructure in the park: lighting. The proposed lighting was considered to increase the feeling of safety and security along capital trail for the public within the evening when commuting home from work.

Beyond lighting, the City of Melbourne also wanted to be a leader amongst other municipalities by installing renewable technology to get the job done. Extensive amounts of trees and garden areas throughout the park prevented any excavation or trenching works to be undertaken and therefor a mains powered solution was not considered; The City of Melbourne knew that the solar LED lighting system they chose was key. Not only would the security and usability of the park hinge on the reliability of the solar lighting system, it had to look the part by blending seamlessly into the park environment.

The AE2 ‘All In One’ systems immediately set itself apart from other solar lighting options with its compact, integrated design that houses lithium ion batteries, energy management system and solar panel in a sleek, compact and robust unit at the top of the pole. Not only did this provide an aesthetic looking system that fit naturally into the park environment, but it also reduced the susceptibility of the systems to vandalism. The AE2 ‘All in One’ solar lighting systems feature motion sensing technology that automatically regulates the output of the LED light throughout the night; the entire system was installed quickly and with minimal disruption to the park environment.
Public safety concern results in Solar Light installation

Melbourne Leader

Illuminating fix

LEADER CAMPAIGN SHEDS LIGHT ON SAFETY FEARS

Nic Price

A DARK pathway in Royal Park has been illuminated after a residents’ campaign and a Melbourne Leader story highlighted safety concerns.

Melbourne Council recently installed 20 solar powered LED lights between Royal Park Station (where there is also a tram stop) and The Avenue in Parkville, where the path weaves through bushland and alongside an oval for about 200m.

Council spokeswoman Bronwyn Perry said the lights were motion-sensing to preserve power consumption and minimise disruption for nocturnal animals in the area.

“A community safety audit was undertaken by the City of Melbourne and Victoria Police which recommended that public safety would be improved with the installation of lights along the pathway,” Ms Perry said.

Residents Sally Fisher and Denise Hilton welcomed the installation, which they said would improve safety for commuters, cyclists, joggers and walkers.

The Leader reported on the pair’s safety fears last year.

“When you were coming home from work in winter it was really, really scary. You couldn’t even see your feet,” Ms Fisher said.

Ms Fisher said council officers told her the project would not have gone ahead without the Leader story and a light audit by the Victoria Police crime prevention unit.
OUR PRODUCTS

Solar LED Street Lighting
(All-In-One)
**TYPE OF PRODUCTS**

**AE2SERIES**
It is most popular and flagship model that is compact and feature packed.

**AE3SERIES**
Introducing latest 70W powered solution that is cost-effective & suitable for a wide range of applications.

**AE5SERIES**
The AE5 is a high powered ‘All In One’ solar lighting solution suitable for large open space areas.

**AE6SERIES**
The AE6 ‘Solar Engine’ is a high powered and easy to install solar engine for a range of ‘off grid’ light & power solutions.

**OFF-GRID SOLUTIONS**
Now we offer our entire range of easy to install ‘All In One’ solar engines to power 3rd Party products such as monitoring & communication equipment.

**SOLAR CCTV**
Now we provide a high quality & easy to install solar powered CCTV solution for remote monitoring and surveillance applications.

**Latest Product**

**PBOX X5**
‘All-in-One’ Solar Street Light
AE2 SERIES ALL-IN-ONE

AE2 is the world’s first ‘All-In-One’ solar light that features all of its components fully integrated within an attractive and compact design. It combines a highly efficient solar panel which is connected to a high capacity lithium-ion battery that powers the ‘SmartEye’ motion sensor and super bright LED light source. The AE2 series is extremely versatile, robust and is perfect for Australia’s weather conditions as it captures the maximum energy from the sun and doesn’t require mains power.

AE2 SERIES

The AE2 series is the world’s very first and 3rd generation ‘All in One’ solar lighting system that has been designed to offer extremely cost-effective illumination for a wide range of small to medium sized applications. Three different product versions (All-In-One / Split / Swivel) allows for various types of installations with the AE2 design principle is based upon ‘reliability’ & ‘ease of installation’ as all key components are integrated within the solar panel & light head. The AE2 range is also intelligent by utilising a programmable MPPT controller ensuring maximum efficiency and electrical conversion from the limitless power of the sun directly to the powerful and compact Lithium Iron battery system, additionally the light head features a built-in motion sensor called ‘Smart Eye’ that automatically regulates the light output brightness depending upon detection of movement around the light to preserve battery power.

SPECIFICATION OVERVIEW

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LITHIUM BATTERY

It uses new-generation Lithium LiFePO4 batteries which offers 3 times more storage and power capacity versus conventional Lead Acid batteries

LED LIGHT

Our updated design utilises a new CNC production technique and is fabricated from aluminium extrusion which significantly improves LED thermal heat dissipation by up to 115%, in turn improves the longevity of the LED’s promising more long term system reliability

SOLAR PANEL

Each Solar Hub unit houses 5 – lockable charging boxes integrated with a range of common weather-proof connectors for all iPhone & Android models enabling simultaneous charging of up to 5 devices at any one time

SMART EYE

Detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘dim mode’ to ‘full-brightness’ depending upon whether motion is detected

ALL-IN-ONE

The original and world’s first ‘All In One’ solar light featuring all components fully integrated within a easy to install module with adjustable mounting bracket.

ADDITIONAL PRODUCT FEATURES

- Wireless Connectivity
- Light Distribution
- MPPT Controller
- Battery Protection
The AE2 ‘Split’ is the newest model amongst the range and has added installation flexibility by adopting a rotating light head whilst retaining the ‘All-In-One’ design.

Applications
* Coastal Areas & Jetties
* Car Park & Perimeter Lighting
* Security & Entrance Lighting
* Signage & Billboard Lighting
* Temporary & Event Lighting
* Strata & Public Area Lighting
* Construction Sites
* Rural & Remote Area Lighting
* Mining & Industrial Sites

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**SOLAR PANEL**
Each Solar Hub unit houses 5 – lockable charging boxes integrated with a range of common weather-proof connectors for all iPhone & Android models enabling simultaneous charging of up to 5 devices at any one time.

**SMART EYE**
Detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘dim mode’ to ‘full-brightness’ depending upon whether motion is detected.
**AE2 SWIVEL HEAD**

AE2 is the world’s first ‘All-In-One’ solar light that features all of its components fully integrated within an attractive and compact design. It combines a highly efficient solar panel which is connected to a high capacity lithium-ion battery that powers the ‘SmartEye’ motion sensor and super bright LED light source. The AE2 series is extremely versatile, robust and is perfect for Australia’s weather conditions as it captures the maximum energy from the sun and doesn’t require mains power.

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**SOLAR PANEL**

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**SMART EYE**

Detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘dim mode’ to ‘full-brightness’ depending upon whether motion is detected.

**SWIVEL**

The AE2 ‘Split’ model has total installation flexibility as both solar engine and light head can be mounted in their optimum positions ensuring maximum sun exposure on the solar panel and lighting exactly where you need it.

**Applications**

- Coastal Areas & Jetties
- Car Park & Perimeter Lighting
- Security & Entrance Lighting
- Signage & Billboard Lighting
- Temporary & Event Lighting
- Strata & Public Area Lighting
- Construction Sites
- Rural & Remote Area Lighting
- Mining & Industrial Sites

**ADDITIONAL PRODUCT FEATURES**

- Wireless Connectivity
- Light Distribution
- MPPT Controller
- Battery Protection
AE3 SERIES

Introducing the latest AE3 series which retains the ‘All-In-One’ features of the AE2 range but on a more powerful and larger scale, it features a highly efficient 70W solar engine with MPPT along with a powerful 30W LED output capacity. The ‘All-In-One’ design principles makes the AE3 series a cost-effective and versatile lighting system for medium sized applications. Its available in a traditional ‘All-In-One’ design as well as a ‘Swivel’ version where the light head can be rotated and adjusted to its optimised position to provide greater lighting distribution without a separate light head. The AE3 range features the latest in MPPT technology ensuring maximum efficiency and electrical conversion from the limitless power of the sun directly to the powerful and compact Lithium iron battery system, additionally the system features bluetooth wireless technology for remote access along with a built-in motion sensor called ‘Smart Eye’ that automatically regulates the light output brightness depending upon detection of movement around the light to preserve battery power.

AE3 ALL-IN-ONE

Introducing the new AE3 series which retains the ‘All In One’ features of the AE2 range but on a larger scale, the new 70W sized solar engine is a cost effective and versatile solution for medium sized applications. Its available in a traditional ‘All In One’ design as well as a swivel type system where the solar panel and light head can be adjusted to it’s optimised position to provide greater lighting distribution.

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SOLAR PANEL

Each Solar Hub unit houses 5 – lockable charging boxes integrated with a range of common weather-proof connectors for all iPhone & Android models enabling simultaneous charging of up to 5 devices at any one time.

SMART EYE

Detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘dim mode’ to ‘full-brightness’ depending upon whether motion is detected.

ALL-IN-ONE

A more powerful version of the AE2 series including a more robust design and mounting options. Applications

* Underpass Walkways
* Public Toilets
* Laneways
* Portable Buildings
* Covered Walkways
* Bus Shelters
* Pavilions

ADDITIONAL PRODUCT FEATURES

TECHNOLOGY / PRODUCTS / APPLICATIONS

Wireless Connectivity  Light Distribution  MPPT Controller  Battery Protection
Introducing the new AE3 series which retains the ‘All In One’ features of the AE2 range but on a larger scale, the new 70W sized solar engine is a cost effective and versatile solution for medium sized applications. Its available in a traditional ‘All In One’ design as well as a swivel type system where the solar panel and light head can be adjusted to it’s optimised position to provide greater lighting distribution.

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**SPLIT**

The AE3 ‘Split’ offers total flexibility to position both the solar engine and light head in their optimum positions.

**Applications**

* Underpass Walkways
* Public Toilets
* Laneways
* Portable Buildings
* Covered Walkways
* Bus Shelters
* Pavilions

**ADDITIONAL PRODUCT FEATURES**

- Wireless Connectivity
- Light Distribution
- MPPT Controller
- Battery Protection
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**SMART EYE**

Detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘dim mode’ to ‘full-brightness’ depending upon whether motion is detected.

**SWIVEL**

With its rotatable light head and multi adjustable mounting bracket, the AE3 ‘Swivel’ is extremely versatile and easy to install without need for any additional wiring.

**Applications**

* Underpass Walkways
* Public Toilets
* Laneways
* Portable Buildings
* Covered Walkways
* Bus Shelters
* Pavilions

**ADDITIONAL PRODUCT FEATURES**

- Wireless Connectivity
- Light Distribution
- MPPT Controller
- Battery Protection
**AE5 SERIES ALL-IN-ONE**

**AE5**

The AE5 series is high powered ‘All In One’ solar lighting module with a sleek and modern appearance that easily attaches to the top of a round pole without need for any further wiring or components; it integrates high capacity Lithium Iron battery’s along with dual ‘high output’ LED adjustable light sources at each end of solar engine that is perfect for illuminating open space areas.

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<td>79 hrs</td>
</tr>
<tr>
<td><strong>WARRANTY</strong></td>
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</tr>
</tbody>
</table>

**LITHIUM BATTERY**

It uses new-generation Lithium LiFeP04 batteries which offers 3 times more storage and power capacity versus conventional Lead Acid batteries.

**LED LIGHT**

Our updated design utilises a new CNC production technique and is fabricated from aluminium extrusion which significantly improves LED thermal heat dissipation by up to 115%, this in turn improves the longevity of the LED’s promising more long term system reliability.

**SOLAR PANEL**

Each Solar Hub unit houses 5 – lockable charging boxes integrated with a range of common weather-proof connectors for all iPhone & Android models enabling simultaneous charging of up to 5 devices at any one time.

**SMART EYE**

Detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘dim mode’ to ‘full-brightness’ depending upon whether motion is detected.

**Applications**

- Coastal Areas and Jetties
- Car park and Perimeter Lighting
- Security and Entrance Lighting
- Signage and Billboard Lighting
- Temporary & Event Lighting
- Strata & Public Area Lighting
- Construction Sites
- Rural & Remote Area Lighting
- Mining & Industrial sites

**ADDITIONAL PRODUCT FEATURES**

TECHNOLOGY / PRODUCTS / APPLICATIONS

- Wireless Connectivity
- Light Distribution
- MPPT Controller
- Battery Protection
AE6 SERIES ALL-IN-ONE

AE6
With its light weight and powerful Lithium Iron batteries conveniently located under the solar panel, the AE6 series is extremely versatile for a wide range of lighting and power applications as both solar panel and light head can be positioned in their optimum positions; It provides many years of outstanding performance and operational reliability.

### SPECIFICATION OVERVIEW

<table>
<thead>
<tr>
<th></th>
<th>30w</th>
<th>60w</th>
<th>120w</th>
<th>200w</th>
<th>42Ah</th>
<th>52Ah</th>
<th>24 hrs</th>
<th>36 hrs</th>
<th>3 yrs</th>
<th>3 yrs</th>
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<td><strong>LED LIGHT</strong></td>
<td>30w</td>
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<td>3 yrs</td>
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<tr>
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It uses new-generation Lithium LiFePO4 batteries which offers 3 times more storage and power capacity versus conventional Lead Acid batteries.

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### Applications

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- Rural & Remote Area Lighting
- Mining & Industrial sites

**ADDITIONAL PRODUCT FEATURES**

- Wireless Connectivity
- Light Distribution
- MPPT Controller
- Battery Protection
The Link Light capitalises on its advanced patented All-In-One solar module technology that fully integrates a highly efficient and powerful solar panel, compact Lithium-ion LiFePO4 batteries and a smart power management system. Importantly, not only is the system easy and fast to install with it’s plug and play type wiring, it’s also powerful enough to illuminate open areas without the need for any mains powered wiring.

**SPECIFICATION OVERVIEW**

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<thead>
<tr>
<th></th>
<th>4w</th>
<th>4w</th>
<th>8w</th>
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<tr>
<td>LED LIGHT</td>
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<td>4w</td>
<td>8w</td>
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<tr>
<td>SOLAR PANEL</td>
<td>12w</td>
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<td>BATTERY</td>
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<td>10.4ah</td>
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<td>WORKING TIME</td>
<td>24 hrs</td>
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Detects movement within several metres of the unit and automatically regulates the output of the LED lamp from a ‘DIM MODE’ to FULL-BRIGHTNESS depending upon whether motion is detected.

**Applications**

- Coastal Areas and Jetties
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- Security and Entrance Lighting
- Signage and Billboard Lighting
- Temporary & Event Lighting
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**ADDITIONAL PRODUCT FEATURES**

- **Light Distribution**
- **Battery Protection**
Solar CCTV

We are now able to offer a proven and reliable solar powered CCTV solution utilising our patented ‘All-In-One’ solar engine design that integrates a highly efficient solar panel, compact Lithium LifeP04 batteries and a clever power management system into a compact and easy to install solar power system.

The ‘All-In-One’ design eliminates any external wiring to remote battery packs or in the base of the poles and does not require an electrical tradesman to install the system; In fact the only wiring required is simply done by IP66 wiring looms that interconnect from the solar engine to the CCTV camera system.

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HD CAMERA

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SOLAR PANEL

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SMART Wifi

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ADDITIONAL PRODUCT FEATURES

- Wireless Connectivity
- Light Distribution
- Battery Protection
All-in-One
Solar Street Light

All-in-One X5 Solar Street Light

Simple installation, extremely practical
The PBOX X5 standalone solar streetlights are very simple to use, no separate battery pack required and no complicated wiring or settings. All you need to do is to attach it with 4 screws to the post and press the on/o button. That is all. The X5 will switch on when the sun sets and switch off when the sun rises. When there is no one around, it will dim itself to improve power efficiency, however, when any one approaches, it will increase its brightness by a factor of four.
All-in-One X5 Solar Street Light

**Protected against all weathers**

The solar streetlights have to survive extreme cold and hot weather. The modular structure of the PBOX X5 is extremely good at protecting the essential parts of the streetlights. It reaches IP65 protection grade, effectively isolating humidity, dust and heat invasion, making it easy to overcome the challenges of harsh outdoor environments.
X5 Solar Street Light Split Type

**Simple installation, extremely practical**

The X5 split units can capture the maximum energy by setting direction of solar engine facing to the strongest solar radiation while lamp face to the site you want to illuminate. With split design, users will take the benefit of flexible installation as well as all-in-one features. The X5 will switch on when the sun sets and switch off when the sun rises. When there is no one around, it will dim itself to improve power efficiency, however, when any one approaches, it will increase its brightness by a factor of four.
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Battery determines system stability;  
Management determines battery’s stability

Traditional solar powered streetlights use lead acid batteries that have a very short life cycle and are difficult to maintain, creating massive environmental pollution and a very low ROI. We therefore decided to use Lithium-ion batteries that have 3 times the life cycle, 4 times the discharge ability and are not harmful to the environment in our sealed product. However Lithium-ion batteries need a proper battery management system to avoid the “barrel effect”. PBOX uses an exclusive patented technology battery management program, enabling the life span of battery to last for over 6 years, greatly improving the ROI and at the same time helping to sustain the earth’s resources. When the optional exclusive extreme low temperature protection device is installed, X5 can work at -40°C, thus making it suitable for alpine regions.

High performance charging controller,  
provides full protection for the system

The independent researched and developed charging controller generates more power, especially during cloudy & rainy days. It simultaneously has protection for over current, over voltage and over heating. Through the USB interface on the controller, it is able to easily modify its operating mode.
CREE LED ALUMINUM LAMP BASE creates a first-class light source
By choosing the CREE 5W LED chips, single lumen value at \(130\text{lm/W} \) (@350mA), with the aluminium lamp base and sealed lens, with its excellent heat dissipation, it is as if the LED chip has been placed in a sealed unit. Thus it maintains high brightness levels with very little fading. The sealed lenses are made of strong UV protected PC and are aging and shock resistant; The well optimized light distribution, makes for a more uniform and wider lighting area.
PBOX X5
Solar Street Light

SUPER ALUMINUM FRAME
makes this a tough unit
PBOX X5 uses a super aluminium frame, which is light weight, strong and corrosion resistant, making it able to resist strong typhoons of up to force 12. Stainless steel screws are used as fasteners to protect against any harsh weather.

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INFRARED MOTION SENSOR detection area
PBOX X5 comes complete with built-in motion detection system that automatically regular the light source from full bright (100%) to dim mode (25%) to increase battery autonomy.

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APPLICATIONS (USA / AUSTRALIA)

Solar LED Street Lighting
(All-In-One)
Jetties & Coastal

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@ 2016 SYSCOM RESOURCES

“Bright Ideas for an Even Brighter Future”
Signage & Billboard

Rural
Small Roadways
Crossing & Safety
Under Pass

Mining & Industrial
Solar CCTV
SYSCOM RESOURCES
Registration No: 793289-U

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Developer of Solar Powered LED Lighting & Power Solutions