



Vertical • Solar LED Garden Pole

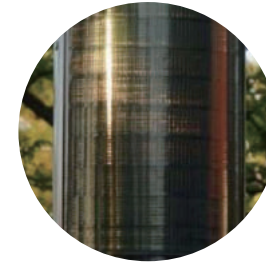


Products+



What is SolarWrap PV?

SolarWrap Integrated Solar Pole Systems from Auroras are our most advanced and innovative solar module for various pole-mounted PV applications. SolarWrap's patented design, manufactured to high-quality standards, can meet decorative and high-end applications, especially for the area and garden lighting without compromising aesthetics. SolarWrap is the outcome of our constant R&D in Solar Lighting, equipped with highly efficient solar modules in a hexagonal aluminum die-cast structure for maximum performance, strength, and durability in many challenging applications. The innovation can be integrated into any pole shape and dimensions, making the SolarWrap Integrated Solar Pole almost universal. The detachable and lightweight design helps in easy installation for a complete maintenance-free life.



CIGS Solar Panel

Advantages:

- * Light weight
- * Shining finish with full glass cover.

Disadvantages:

- * Cost is very high
- * Lifetime is short, only 4 ~ 6 years
- * Practical efficiency is less than 13%
- * Efficiency drops fast by 30% with 4 months

Comparison



Silicon Solar Panel

Advantages:

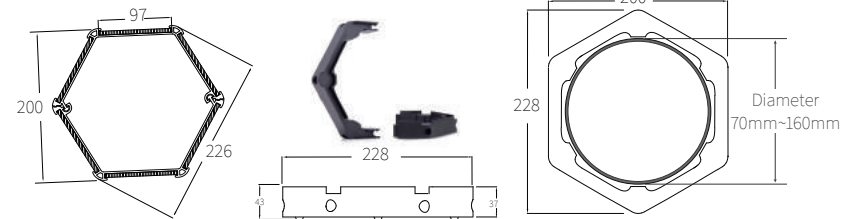
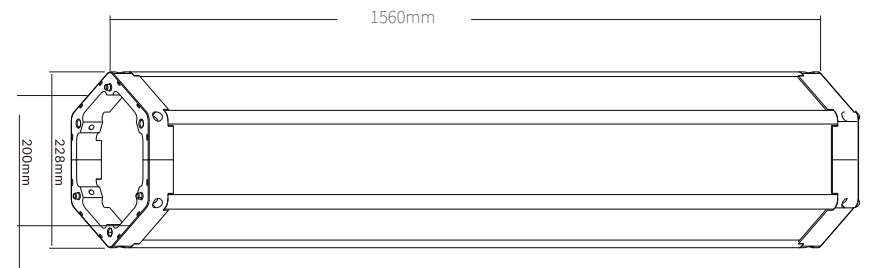
- * Cost is very much lower than CIGS.
- * Lifetime is long up to 20 years
- * Practical efficiency is more than 19.5%
- * Strong structure support, aluminium profile

Disadvantages:

- * Heavy weight
- * Not so good look as CIGS



SolarWrap Specification



Item number	Q140
Dimension	228*200*1560mm
Pmax	140W
Vmp & Imp	18V 7.78A
Cell type	MONO made in Taiwan
Solar cell efficiency	21.50%
Cable & Connector	Universal MC4 with 0.6 meter 2.5mm ²
Structure material	aluminum alloy with powder coated >20 years lifetime
Operating temp.	-20□ ~ +70□
PV Lifetime	>20 years
N.W / G.W	20.70kg / 22.80kg
Max pole diameter	155mm
Warranty	5 years

ZEUS

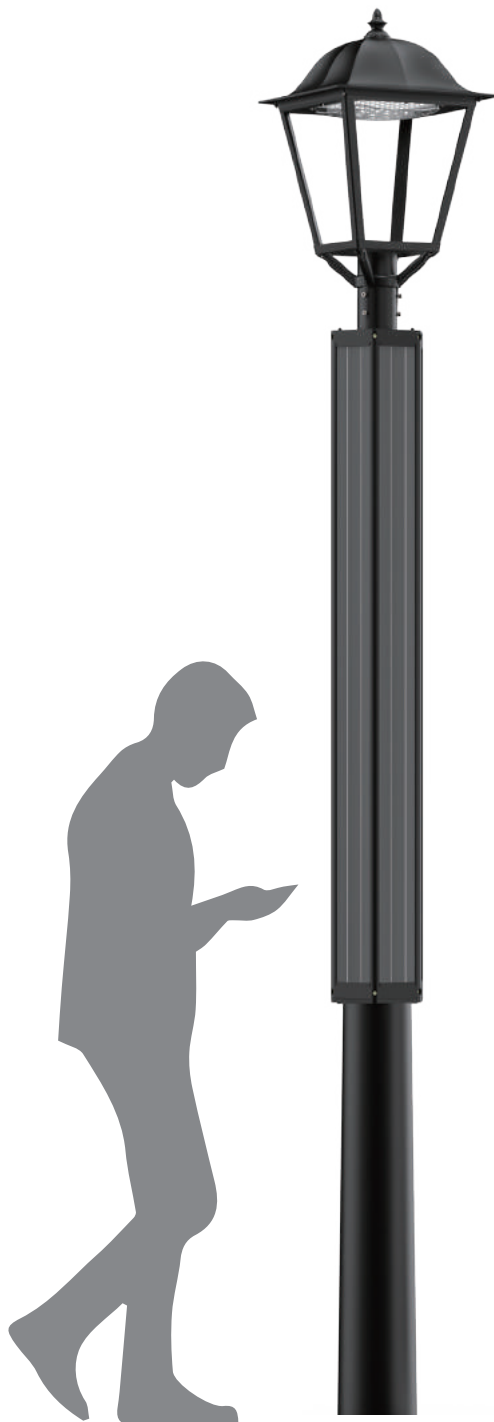
Zeus vertical solar garden pole is a unique design with the latest technology combined with SolarWrap vertical solar module and battery technology. The light head adopts aluminum die-casting housing with ultra-high luminous flux led chip up to 200lm/watt.

Zeus is adopting a brand new lifePO4 battery pack whose lifetime is up to 4000 cycles (D.O.D 50%) with 4 days of autonomy ensuring there is continuous lighting service without black out even during the very challenging conditions.

Zeus vertical solar pole deserves a great aesthetic appearance and is ideal for luxury high-end applications like villas, parks, gardens etc.



ZEUS



Specification

LUMINAIRE

LED Type & Power	30W max. SMD3030 140nos
Luminous Flux	>4,500lm
CCT Range	3000K / 4000K / 6000K
Beam Angle	120 degree

SOLARWRAP PV

Max Power	140W
Output Voltage	18V
Dimension	228*220*1560mm
Module Quantity	1 unit

BATTERY PACK

Rated Capacity	307WH 12.8V 24AH
Battery Cell	32700 6000mAH 16pcs
Battery Lifetime	>4000cycles @ D.O.D 50%
Working Temp.	-25 ~ +65

MPPT CHARGE CONTROLLER

Max. load	< 60 Watts
Max SolarWrap PV	240 Watt 18V
Programmable	yes
IP Rate	IP68

STEEL POLE

Height & Material	3meters steel
Dimension	as drawing shows