

SOLAR LIGHTING THAT'S JUST SMARTER

High-performance solar LED lighting systems - great for new projects or retrofits

- **Smart Controller:** Adaptively manages charge state, regulating light as needed to provide 4+ days autonomous operation
- **NiMH Battery:** Greater performance than lead acid with 100% discharge, -40 C to +70 C operating range, more than 3,650 cycles for up to a 12 year lifespan; hidden and tamper proof
- **High Output LED:** Cree 60W lamp (130 lm/W)
- **Custom Solutions:** We custom design and engineer poles to meet AASHTO lighting standards or any project requirements

60W Solar Street
Lighting System



We custom design contemporary or traditional poles that enhance any project.

5 YEAR WARRANTY
25 YEAR POWER WARRANTY

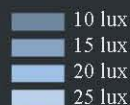


You're in Control

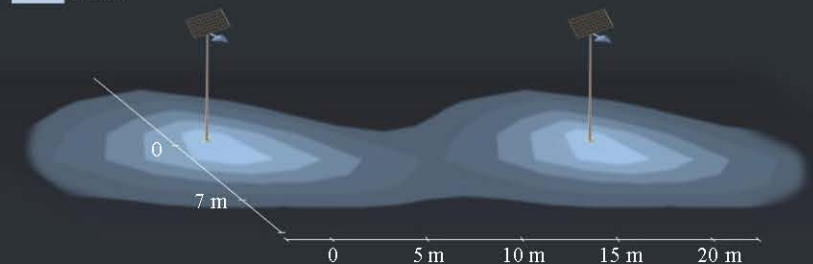
Easily program your own custom lighting profiles with a tablet app for seasonal and hourly efficiency.

Simple Installation

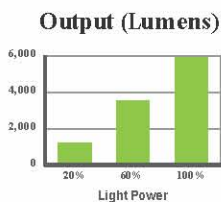
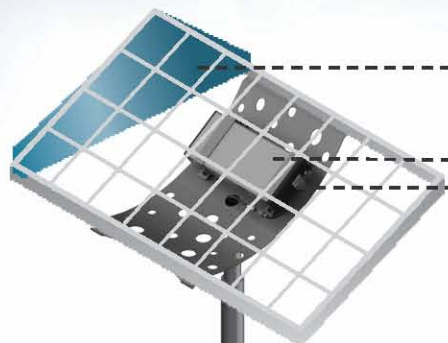
Plug-and-play wiring, plus an option for concrete-free foundations, make installation a breeze.



More light than other solar LEDs



60W Solar Street Lighting System

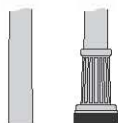


Light power is regulated to conserve charge when needed. Even at lower

significant.



Optional RAL color match - choose from hundreds of powder coated finishes to meet any project requirements.



Pole Base

Standard and decorative designs for compatibility with site design features.

Fonroche Photovoltaic Panel

High-quality 190-watt module with a 25-year power guarantee for sustained output and ease of maintenance

Technology	..... Silicon monocrystalline
Capacity	..... 190 W
Lifespan	..... > 25 years
Size	..... 1593 x 803 x 46 mm
Power Guarantee	..... 10 years to 90% / 25 years to 80% nominal power ^[1]
Standards	..... IEC-61215, IEC-61730 I and II

State-of-the Art NiMH Battery

Hidden, compact battery with optimized design and NEMA enclosure for unmatched long life and efficiency

Technology	..... 24 V NiMH, 480 Wh usable capacity
Lifespan	..... More than 3650 cycles, up to 12 years ^[2]
Operating Temperature	..... -40°C to +70°C (-40°F to +158°F) / outperforms lead acid
Depth of Discharge (DOD)	..... 100% / far exceeds lead-acid technologies
Standards	..... EN 550 14-1 ; EN 55014-2; EN 61000-6-2 ; EN 61000-6-3

Smart Battery Management

Monitors available battery energy and adjusts light output 20%-100% to extend autonomous operation

Autonomous Operation	..... 4 winter nights, with no charging source ^[3]
Programming	..... Custom lighting profiles (seasonal/hourly)
Individual Control	..... Tablet app; optional motion sensor

High Output LED

White light 60-watt luminaire for efficiency and visibility - provides more efficient distribution of light than traditional sodium lighting technology

Lamp	..... 60W Cree LED, 24 V
Lamp Output	..... 5000K, 130 lm/W, CRI: 70; max output 6000 Lumens ^[4]
Electric Yield	..... 98%
Rated	..... IP 65
Low-Voltage Directives	..... EN 60598-1 ; EN 60598-2-3
Electromagnetic	.....
Compatibility	..... EN 61000-6-1 ; EN 61000-6-3

Custom-Engineered Poles

Sturdy steel traditional and contemporary designs for safety and aesthetics

Customization	..... Foundation, base, lighting arm, lamp housing and RAL color
Total Height	..... 6.4 m or per project requirements
Lighting Point Height	..... 5.8 m or per project requirements
Wind Resistance	..... Zone 4 C1 or per project requirements
Pole Standards	..... Engineered and manufactured per site requirements
Conformity Declaration	..... CE

Foundations

Concrete or concrete-free, buried or above-ground options for convenient installation in varied locations.

[1] Power guarantee pursuant to IEC-61215 standard. [2] Depending on the battery discharge level and room temperature. [3] During winter period, assuming minimum production capacity of 1400KWh/m²/year. [4] Efficiency of LED may improve quickly due to permanent technological research.