



FONROCHE
lighting

Off-grid solar
streetlight

SMARTLIGHT
Single arm



POWER 365
Ultimate Solar Lighting TECHNOLOGY BY FONROCHE



365 nights per year guaranteed lighting

Fonroche Lighting has developed a complete range of fully off-grid solar streetlights, powerful and reliable manufactured in France.

- ✓ **PV Module** highly efficient
- ✓ **LED fixture** high-performance
- ✓ **Power 365 technology** made of nickel alloy battery and smart EMS allowing adaptive storage and bespoke programming
- ✓ **Pole and arm** EN40 standard certified.



Applications URBAN NETWORKS - HIGHWAYS - ROADWAYS
GARDENS AND PARKS – CAR PARKS – PEDESTRIAN WALKWAYS

Performance and reliability



Powerful and effective lighting
180 Lm/W



Smart and Programmable
Anti-blackout system

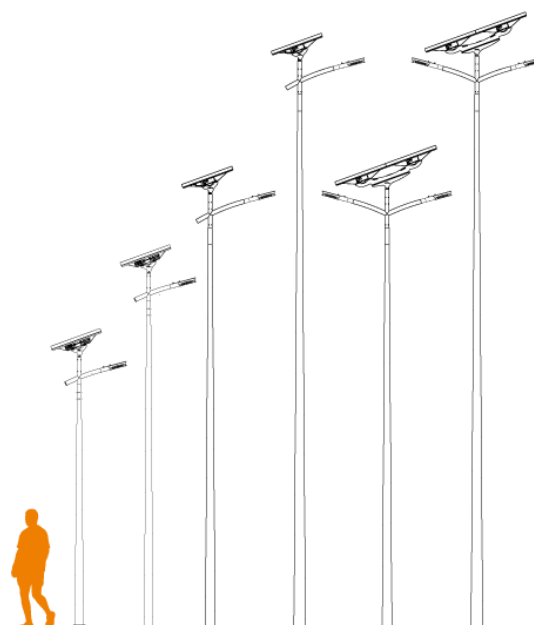


10 years without maintenance,
30 years lifetime

TECHNICAL FEATURES

OVERALL SYSTEM (pole excluding from our supply)	
Voltage	24V
Operating temperature	-40°C to +70°C
System warranty	5 years
Declaration of conformity	EC
PHOTOVOLTAIC MODULE	
Technology	Crystalline silicon
PV power	260 Wp
Lifespan	30 years minimum
Manufacturer warranty	10 years
Power warranty	10 years at 90% of nominal power 25 years at 80% of nominal power
Standards	IEC-61215 IEC-61730 I et II
SMART CONTROLLER	
Minimum autonomy	365 nights per year
Controller	Smart energy management
Switching on/off operation	Automatic dusk to dawn
POWER 365 BATTERY	
Technology	Nickel alloy – extreme heat resistant cells
Power 365 battery power	2P
Lifespan	3650 cycles = 10 years minimum
Product warranty	5 ans
Certification	EN 550 14-1 ; EN 55014-2 EN 61000-6-2 ; EN 61000-6-3
LED FIXTURE	
Nominal power	40 W nominal
Color temperature	4000 K 3000K
Lighting efficiency	>180 lm/W
CRI	> 70
Protection rating	IP 68
Heat sink	Aluminium Extruded
Lenses	Asymetric Batwing
Ulor index	< 3%
Lifespan	> 80 000 h
Manufacturer warranty	5 years
EU directive	RoHS

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