

AMPERSTREET + For off-grid villages

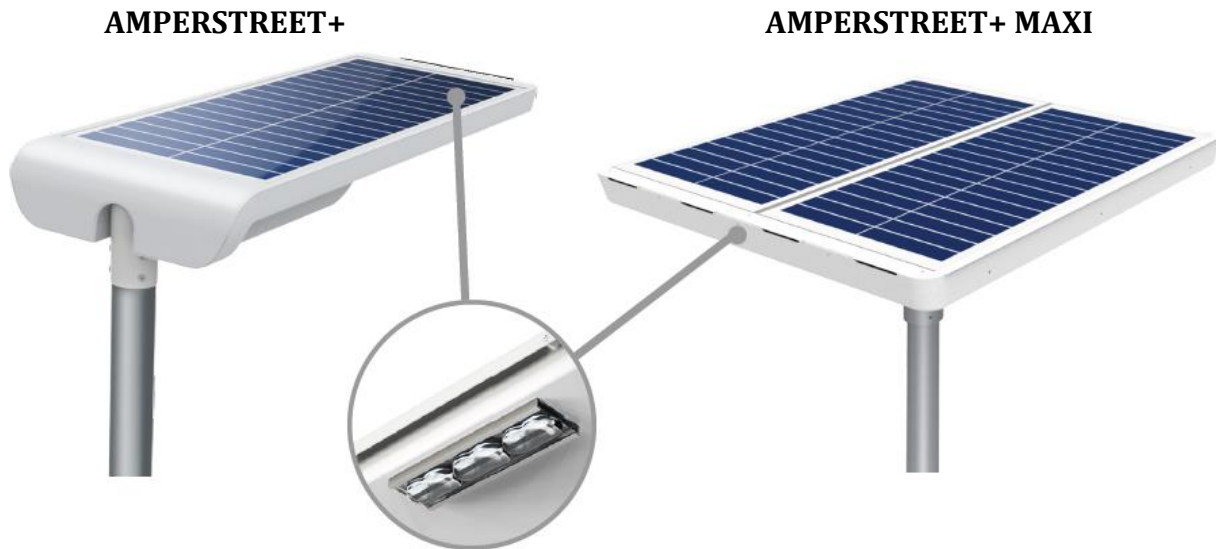


A unique concept : Integrated Solar StreetLight

The AMPERSTREET+ and AMPERSTREET+ MAXI are “all in one” solar streetlight fixtures. A solar module, a battery, a LED light engine, and a charge controller all together drive a unique inbuilt lighting and energy management system.

A simple and quick installation

Horizontal solar panel ensures the best orientation and makes it easy to install. It only takes a few minutes for anyone to set up an AMPERSTREET+ and AMPERSTREET+ MAXI. As it's a stand-alone product, there is no need for an electricity network connection (nor trenching, cabling nor on site assembly).



A maintenance-free system

The AMPERSTREET+ and AMPERSTREET+ MAXI range of products is designed to work without any maintenance, thanks to a passive thermal management system which cools the entire structure. The battery and electronics are placed at the top of the pole to prevent against theft and enables good air circulation.

A smart lighting management

The synergy between LED lighting and solar technologies allows a smart lighting management of our entire system. In this way we have chosen to drive the consumption of our LEDs dynamically in relation to the available energy in our batteries. This enhances our product efficiency and allows us minimal solar sizing without compromising on lighting service or having any blackout, even in extended periods of poor solar irradiation.



A solid battery

AMPERSTREET+ and AMPERSTREET+ MAXI are powered by new Nickel-based batteries. This technology allows more than 4000 of charge and discharge cycles, which correspond to 10 years lifespan. Moreover, NiMH batteries are particularly resistant to temperature variations, as their operating range is from -20°C to 70°C .

CHARACTERISTICS

Designed to last up to
10 years
without maintenance !



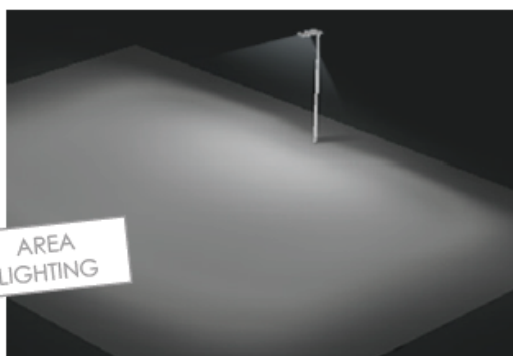
AMPERSTREET +

AMPERSTREET + Maxi

	AMPERSTREET +	AMPERSTREET + Maxi
Typical application	Roadway, passway, parking lots	Urban roadways, site lighting, perimeter lighting
LIGHTING		
LED light engine	One 152 lm/W LED light engine (IP67)	Two 152 lm/W LED light engines (IP67)
Luminous flux	up to 2800 lumens	up to 5600 lumens
Consumption	25 W LED equivalent	50 W LED equivalent
PV	High quality photovoltaic module	
Inclination	4°	
STORAGE	NiMH battery, maintenance free	
Operating temperature	-20°C to +70°C	
Autonomy	up to 5 days depending on lighting program and location	
Lifespan	10 years	
GENERAL	Top of pole, Ø 60 mm round tenon, tiltable tenon	
Mounting height	4 - 6 m	4 - 8 m
Weight (without pole)	14 kg	19 kg
Electronics	Programmable to control hours of operation and light level requirements. IP67, Fuse and PV protection.	
Motion sensor	Optional	

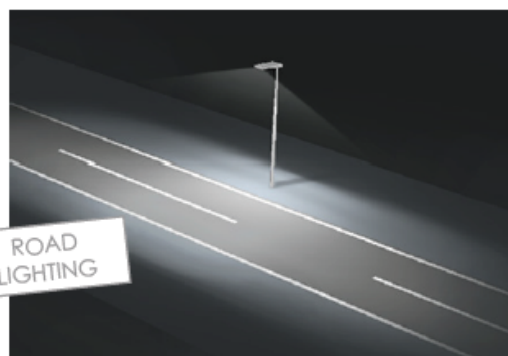
A UNIQUE LIGHT OUTPUT

PHOTOMETRY ANALYSIS



AREA
LIGHTING

Product	Height	Surface	Average L.	Max L.	Uniformity
iSSL+	4 m	100 m ²	8 lux	13 lux	0,6
iSSLmaxi	5 m	170 m ²	10 lux	15 lux	0,5



ROAD
LIGHTING

Product	Height	Distance	Average L.	Max L.	Uniformity
iSSL+	4 m	16 m	12 lux	28 lux	0,4
iSSLmaxi	6 m	24 m	20 lux	42 lux	0,4