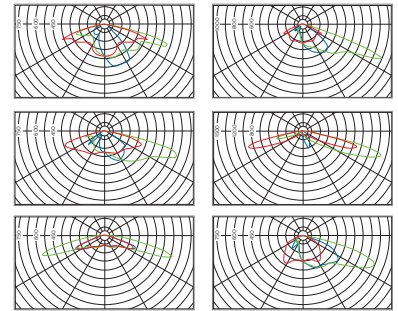


MARAMA SOL OFF-GRID SYSTEM

MARAMA SOL OFF-GRID SYSTEM

Models: MS-1M/6000/360/MH,
MS-1M/6000/720/MH












GAME CHANGER IN SOLAR LIGHTING

MARAMA SOL OFF GRID STREET LIGHT SYSTEM is designed specifically for outdoor off-grid applications where electricity from the grid is not available or is very unreliable.

- MARAMA SOL luminaires are compact, easy to transport, easy to assemble, and easy to transform or upgrade using a system of modular components.
- Because it is an autonomous, self-managing, it requires little to no maintenance.
- MARAMA SOL functions on light-on-demand principle, turning light on when necessary, changing light intensity when appropriate, and optimising energy consumption when possible.
- The users have the option to intervene and change the system's plan. The lighting regime can be altered by just a couple clicks on a remote control.
- Photovoltaic panels are mounted vertically which optimises the collection of solar power and prevents the gathering of dirt, snow and bird droppings.
- The use of cutting-edge components and dimming functionality makes this solar system effective even in Northern countries lacking sunshine.

Good to know: MARAMA SOL is a future proof system, ready for upcoming ECOLIGHT's smart solar solution based on IoT (Internet of things) technology. MARAMA SOL has a special socket through which it might be connected to the self-learning system which is scheduled to reach the market in 2020.



-  **Made in EU**
-  **Best price-quality ratio**
-  **Environmentally friendly**
-  **Remote control**
-  **Automatic switch on/off function**
-  **Programmable**
-  **Long life time**
-  **Configurable dimming timer**
-  **Generously equipped solution**



* in preparation



Ecolight[™]
Save simple.

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GENERAL TECHNICAL SPECIFICATIONS

	MS-1M/6000/360/MH	MS-1M/6000/720/MH	MS-2M/6000/720/MH
EAN	4772049002913	4772049002920	4772049002937
Wattage	up to 30W	up to 30W	up to 60W
Street light model	MARAMA SOL 30W 360WH NI-MH	MARAMA SOL 30W 720WH NI-MH	MARAMA SOL 60W 720WH NI-MH
Standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 13032-1		
Lighting category according to EN13201	ME5 / ME6 / S2 / S3 / S4 / S5 / S6		
Typical application	Residential streets, private driveways, walking paths, urban local roads, parking lots, bicycle lanes, industrial areas		
LED light housing material	Aluminum		
Enclosure Rating	IP66 (applies to the whole system)		
Lamp family code	PHILIPS Fortimo FastFlex		
Light colour K	3000, 4000 or 5700		
Colour Rendering Index	> 70 or > 80		
Optics	Choice of 6 standard and many Ledil optics		
Control method	Programmable		
Dimming range	10 ...100 %		
PV panel	280W Monocrystalline	280W Monocrystalline	280W Monocrystalline
Panel dimensions	3120x230x230 mm	3120x230x230 mm	3120x230x230 mm
Charger	MPPT 10A	MPPT 10A	MPPT 10A
Battery protection	Yes		
Remote control	Yes	Yes	Yes
Battery	Ni-MH 30Ah/12V	Ni-MH 60Ah/12V	Ni-MH 60Ah/12V
System autonomy	up to 12 hours*	up to 24 hours*	up to 12 hours*
Temperature range	-20 °C to + 50 °C		
Ready for "self-learning" system	Yes		
Pole	Included		
Component storage	Inside the pole		
Construction material	Galvanised steel		
Motion detector	Optional		

* if batteries are charged in full.



ISO 9001 - ISO 14001
OHSAS 18001

BUREAU VERITAS
Certification



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