



SOLAR LIGHTING

2023



Temporary Solar Street Lighting

Portable solar lighting solutions for all applications. Our lights are used on mine sites, construction sites, and for road maintenance, off grid or temporary road lighting, car park lighting, pathways, event lighting. Totally stand alone and adaptable to all solar lighting requirements.

Our solar lights promote the latest in battery technology with modes that conserve energy and output when it needs it most. Our lights are always charging and will automatically turn on at dusk and off at dawn.

Solar lighting is an investment into our future. By using less finite energy resources and cutting back on our carbon footprint we strive to fight climate change and work on creating a more reliable sustainable future.

Features

- Available from 20W to 100W
- Lightweight only 37kg when empty
- 637kg when filled with water
- 2 person setup, no lifting equipment required
- 25 years plus life expectancy
- Tamper resistant and difficult to climb
- Interchangeable light attachments
- No ongoing maintenance
- Stackable and space efficient for transportation
- No trenches or digging required
- Fitted with forklift slots
- Environmentally friendly and sustainable

NO CABLES

NO NOISE

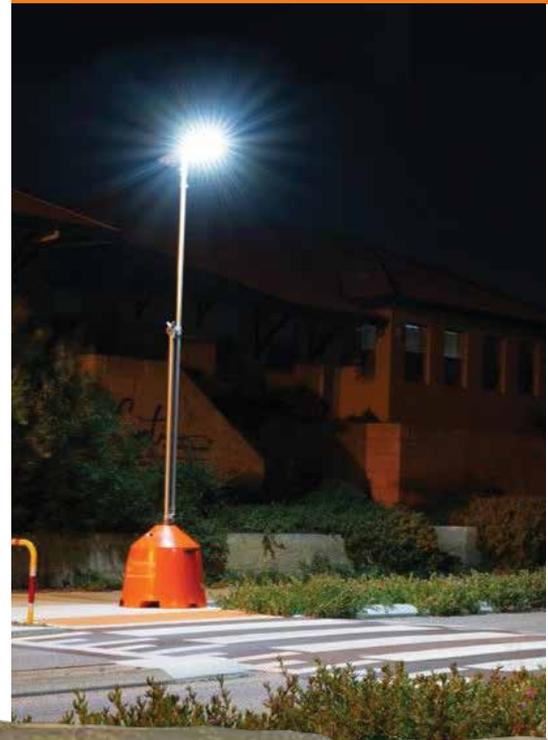
NO POLLUTION

NO FUEL

NO CRANES

NO GENERATORS

NO HASSLES





Core Sectors

Construction

Enhance safety on site with adequate illumination of construction sites especially when power supply is not available.

Road Safety & Maintenance

Moma Solar Street lights give you opportunity to work when traffic is at a minimum while extending daylight working hours.

City Councils

Moma Solar lights can light signs, information kiosks, pathways, playgrounds, recreational areas and carparks. Keep public areas safer by providing adequate lighting.

Rural Areas & Off-Grid

The benefits of using Moma Solar lights in rural areas are abundant since they avoid costly trenching and save on energy bills.



4 Modes of Operation

Mode 1

15 hours sensor control at 80% brightness when motion is detected and 40% brightness with no motion

Mode 2

First 5 hours at 80% brightness, next 10 hours at 40% brightness

Mode 3

First 5 hours sensor control at 100% brightness, next 10 hours at 30% brightness when motion is detected and 10% brightness with no motion

Mode 4

15 hours at 70% brightness





Light Options

Model	MOSLX-20W	MOSLX-30W	MOSLX-40W
LED Power	20W	30W	40W
LED CCT	3000 - 6500K	3000 - 6500K	3000 - 6500K
Lumens	3200lm	4800lm	6400lm
Mono-crystalline Solar Panel	28W	35W	40W
LifePo4 Battery	48Ah 614Wh	72Ah 921Wh	69Ah 1228Wh
LifePo4 Battery Voltage	12.8V	12.8V	12.8V
LifePo4 Battery Cycle	2000 cycles	2000 cycles	2000 cycles
Working Temperature	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Charge Time	6-8 hours	6-8 hours	6-8 hours
Intelligent Controller	12V 10A MPPT charge controller with microwave sensor		
Inbuilt Protection	Over charge, discharge, heat and overload protection		
Working Time	15hrs/day, light + time + microwave sensor control		
Light Fitting Size	710x310x90mm	840x310x90mm	970x310x90mm
Net Weight	6kg	7.5kg	8.5kg
Material	Aluminium and tempered glass		
IP Rating	IP65	IP65	IP65
Warranty	3 years	3 years	3 years
Installation Height	3-6m	3-8m	4-8m
Distance Between Poles	<20m	<25m	<35m
Top of Pole Diameter	60mm	60mm	60mm



Fitted with Philips LEDs for best performance



Model	MOSLX-60W	MOSLX-80W	MOSLX-100W
LED Power	60W	80W	100W
LED CCT	3000 - 6500K	3000 - 6500K	3000 - 6500K
Lumens	9600lm	12800lm	16000lm
Mono-crystalline Solar Panel	55W	72W	85W
LifePo4 Battery	120Ah 1536Wh	168Ah 2150Wh	192Ah 2457Wh
LifePo4 Battery Voltage	12.8V	12.8V	12.8V
LifePo4 Battery Cycle	2000 cycles	2000 cycles	2000 cycles
Working Temperature	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Charge Time	6-8 hours	6-8 hours	6-8 hours
Intelligent Controller	12V 10A MPPT charge controller with microwave sensor		
Inbuilt Protection	Over charge, discharge, heat and overload protection		
Working Time	15hrs/day, light + time + microwave sensor control		
Light Fitting Size	970x400x90mm	1180x400x100mm	1450x400x100mm
Net Weight	10.5kg	15kg	18kg
Material	Aluminium and tempered glass		
IP Rating	IP65	IP65	IP65
Warranty	3 years	3 years	3 years
Installation Height	6-14m	8-14m	8-16m
Distance Between Poles	<45m	<55m	<65m
Top of Pole Diameter	60mm	60mm	60mm

The Base

The solid MDPE base leaves little to no trace behind being environmentally friendly. No trenches or digging is required to secure the base to site as once water filled, the base weighs around 637kg. The base is fitted with forklift slots for easy transportation and is stackable. No ongoing maintenance is required and is easily lifted by 2 men when empty.

Height	1125mm
Length	1150mm
Weight Empty	37kg
Weight Full	637kg approx
Wall Thickness	8mm
Material	MDPE
Colour	Standard orange, but can customise on request



Poles

Swivelpole - G-5

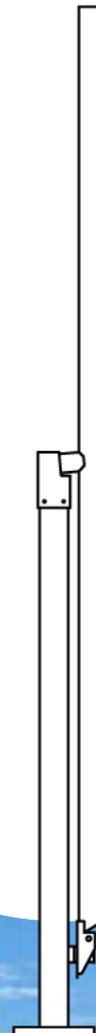
Fitted with a swivel joint to eliminate the need for height work (see back page). Lower the mounted fixture down to ground level for repairs, maintenance and more. Easy to use with safety of workers in mind.

Straight Poles

Perfect for small installations/signage. Easy to move and access mounted accessories.

Wall Brackets

Perfect for fitting our MOSLX series to buildings where poles are not an applicable option.





Speed Signs

Designed to ensure safety in low-speed areas. Ideal for construction areas with changes in speed, residential and built up areas, areas undergoing speed changes, school zones and blackspot collision areas.

Code	Speed Sign
Dimensions	60x72x18cm
LED Colours	Red/green
Speed Range	10 to 199 km/h
Accuracy	+1 km/h
Radar	24.150 GHz (K-band)
Detection Range	200m
Visibility	300m
Working Temp	-20°C to 70°C
Weight	15kg
Power Supply	12 Volt DC
Solar Panel	80W mono-crystalline



Security Lighting

Our Solar Security Lighting series is ideal for spots where motion sensor lighting is required.



Code	MP15WSL
Wattage	15W
Lumens	1600lm
Battery	18650/7.5V/5400mAh Replaceable
Solar Panel	9.5W mono-crystalline silicon
Installation Height	3-5m
IP Rating	IP65



Code	MOML-04
Wattage	10W
Lumens	1000lm
Battery	8000mAh - 3.7V
PV Panel	5W 5.5V polycrystalline
Installation Height	2-4m
IP Rating	IP65



Swivelpole™

Access to light fixtures and equipment can be hazardous, time consuming and costly when using ladders, scaffolds or other access equipment.

The G5 Swivelpole makes accessing Moma solar pop-up street lights easy by lowering the fixtures safely when required.

Features

- The G5 pole is fitted with a swivel joint to eliminate the need for height work. Lower the mounted fixture down to ground level for repairs, maintenance and more.
- Easy to use with safety of workers in mind
- Suitable for hazardous locations and harsh environments
- Light fixture is inverted and lowered to a safe working height
- Easy to install and operate
- A great choice for your Moma solar pop-up street light



*NZ Distributors of
Moma Solar Lights
& Swivelpole™*



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