

# Solar Street Lighting



LAMP  
DURATION  
50,000 HOURS

ADVANCED  
CHARGE & LIGHT  
CONTROLLER

MADE  
IN ITALY

NEW DESIGN

## LightWave 20 / 30 / 40 W

The **ideal solution for lighting squares, roads and intersections** in all cases of non-availability or excessive cost of the grid electricity. LightWave can also serve as **emergency lighting system** in case of any power outages.

- All system components are characterized by a **distinguished constructive quality, long duration and high energy efficiency.**
- Technologically advanced. **Lighting duration is managed automatically**, depending on the actual duration of the night and on the charge level of the battery pack with a significant extension of the **battery's lifespan.**
- **New design** with a optimized pole-head structure to **reduce transport cost.**
- Structure and lamp are totally **designed and made in Italy**

## LIGHTWAVE 20W-12V



## LIGHTWAVE 30W-24V



## LIGHTWAVE 40W-24V

Lamp Power	20 W
Max System Voltage	12 V
Light Intensity	3200 lm
Led Number	12
Total Weight	75 kg
Battery	1 x 12 V; 100 Ah
Photovoltaic Module	160 Wp

Lamp Power	30 W
Max System Voltage	24 V
Light Intensity	4800 lm
Led Number	12
Total Weight	135 kg
Batteries	2 x 12 V; 80 Ah
Photovoltaic Modules	2 x 100 Wp

Lamp Power	40 W
Max System Voltage	24 V
Light Intensity	6400 lm
Led Number	12
Total Weight	150 kg
Batteries	2 x 12 V; 120 Ah
Photovoltaic Modules	2 x 100 Wp

### TECHNICAL FEATURES

PHOTOVOLTAIC MODULES Designed in Italy	No. 1 <b>OffgridSun</b> 160 Wp polycrystalline module or No. 2 100 Wp monocrystalline modules with 36 cells. Product guarantee: 12 years. Performance guarantee: 82% at the end of 25th year
CHARGE CONTROLLER Made in Italy	<b>Aton</b> is the 15A charge controller of <b>OffgridSun</b> . Based on a solid-state microprocessor and specifically designed to control the operation of the solar Led street lamp, this charge controller has the following functions: - Regulation of the battery charge level, in order to guarantee the maximum output from the energy produced by the solar modules, especially in winter time - Lamp cut-off in case the battery is almost fully discharged, to protect battery's life duration - Automatic lamp switch on/off at sunset/dawn, with the PV modules operating as daylight sensor
LED LAMP EFFICIENCY	160 lumen/W
LED LAMP DURATION	50,000 hrs
COLOUR TEMPERATURE	5000°K (cold white) or 4000°K (natural white) or 3000°K (warm white)
BATTERIES	No. 1x100Ah (for 20W system) or No. 2x80Ah (for 30W systems) or No. 2x120Ah (for 40W systems) 12V C10 AGM-VRLA batteries, with integrated safety circuit, are included. These batteries ensure high energy output, are maintenance-free and perfectly suited to withstand repeated charge-discharge cycles
LIGHTWAVE FIXTURE Made in Italy	Elegant and modern light fixture in aluminium. The unit and its cover are entirely finned. Fixing block on the arm in die-casting aluminium. Product guarantee: 5 years
ARM	In zinc-coated steel. Length: 80 cm
BATTERY CASE	In zinc-coated steel. Weather and UV ray-resistant epoxy powder coating
MOUNTING	Pole-top for poles of max 100 mm diameter (90 mm diameter suggested)
POLE	Not provided
TECHNICAL NORMS LIGHTWAVE FIXTURE	EN 60598-1, EN 62471, EN 10819, UNI11248, EN13201
EUROPEAN DIRECTIVES	2011/65/CE, 2006/95/CE, 2004/108/CE

