



Solar Street Lights



Solar Powered street lighting is the modern solution to both municipal and private estates, though the lights have many other applications including factory yards, car parks and school compounds where night time illumination is required for vision or security. The reliable LED lamps are highly efficient using about 5% of the power of traditional incandescent alternatives as well as offering greatly extended life due to the much reduced operating temperatures. Recognising these benefits Dayliff Solar street lights are available in Modular and All-in-One configurations and are specially engineered to provide a reliable, effective and long life lighting solutions.

PATHWAY STREET LIGHTS

A perfect integral lamp solution for smaller scale lighting requirements including pathways, compounds and yards. The lamp unit, battery and controller are in one unit that is provided with a mounting bracket for easy site installation on a wall or a pole. A separate solar panel is provided with a mounting on top of the lamp unit providing adjustment for optimal solar position. Specifications includes:

- Option of 10W/ 20W LED light intensity bulbs
- Integral 6.4V, 12000mAh/18000mAh lithium ion battery built into the lamp housing for 10W/20W lamps respectively.
- Intelligent controller with MPPT technology that provides 30% faster charging and automatic operating sensing at dusk and dawn
- Separate swivel base solar panels with the option of lamp or remote mounting giving installation flexibility
- The lamp unit is arm mounted with an end bracket incorporated for flexibility of installation

MODULAR STREET LIGHTS

Modular units are made up of separate components as follows:-




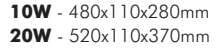

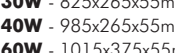



- High brightness Dayliff Nande LED lamp unit mounted in a corrosion proof IP65 die cast aluminium housing.
- Efficient Dayliff Yingli monocrystalline PV modules.
- Reliable Dayliff Champion VRLA sealed solar battery.
- Lockable waterproof battery box mounted high on the pole for security.
- Controller to regulate system operation and automatically switch the lamp at dusk and dawn.
- Rigid steel 6m high x 2 1/2" mounting pole that incorporates a high level adjustable 150 pitch panel mounting frame, lamp mounting arm, necessary wiring and mounting plates.

ALL-IN-ONE STREET LIGHTS

All-in-One units incorporate all components of the lighting system including lamp, PV module, battery and controller into one complete assembly that provides many advantages in terms of simplicity of installation, reliability and security. The assembly includes:-

- A high brightness, high luminous LED lamp.
- Class A mono crystalline PV module.
- 3.2V/12V Lithium battery with extended life.
- Intelligent multi-function controller that provides compact regulation and automatic lamp switching at dusk and dawn.
- The unit is mounted on a 6m high x 2 1/2" galvanised steel pole to which the lamp assembly is simply bolted.

SPECIFICATIONS

Model	Lamp Power	Lumens	Controller	PV Model	Battery	Pathway Street Lights	Modular Street Lights	All-In-One Street Lights
Pathway	10W	<500	3A	61V,0W	6.4V,12AH			
	20W	<800	3A	6V,20W	6.4V,18AH			
Modular	40W	4000	10A	12V,125W	12V,150AH			
	60W	6000	15A	12V,200W	12V,200AH			
	30W	3000	5A	5V,32W	3.2V,40AH			
	40W	4000	5A	5V,40W	3.2V,60AH			
	60W	10000	10A	5V,60W	3.2V,80AH			
	80W	10000	10A	5V,80W	3.2V,120AH			

Max Ambient Temp: 30W, 40W, 80W & 60W - +60° C/ 10W & 20W - +40° C

LED Life: 30W, 40W & 60W - 40,000hrs / 10W & 20W - 73,000hrs, 60W & 80W - 50,000hrs