

Solar LED light



Energize
We energize the future

Completely independent Solar lighting system

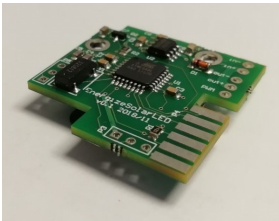
System is powered entirely via energy produced by PV module. Energy produced is then stored in the battery. Battery is charged via an advanced MPPT function. Battery is manufactured in state-of-the-art TPPL technology which has superior cyclic performance in adverse weather conditions. Innovative controller with an integrated motion sensor optimizes the lighting intensity in accordance to energy available in the battery, which entails system reliability in all

SOLAR
LED
LIGHT



Renewable
energy
sources

Energy
efficiency

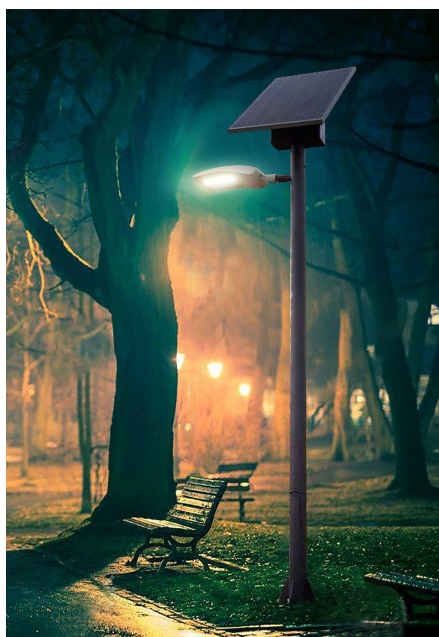


Bluetooth



TPPL

Energize
Innovation
ECO Smart
LED Controller



www.energize.rs

Advanced
MPPT
function



Anti-vandal
solution

State-of-the-art
controller

Motion
sensor



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Technical characteristics



System contains the highest quality components

- PREMIUM class PV modules, rated power 270Wp-360Wp, the world's leading guaranteed power and Mechanical warranty
- Energy efficient LED light with active power range 18W-50W, selected according to specific lighting intensity needs
- Energy storage even in extreme temperature conditions by using advanced TPPL technology batteries, capacity range from 50Ah to 200Ah
- Ultra-fast MPPT for maximization of energy yields during the day
- ENERGIZE innovative ECO Smart LED controller with integrated motion sensor. Software algorithm for smart control of light intensity in accordance to irradiance, time of the year and state-of-charge of the battery
- Licensed software interface for Bluetooth communication, monitoring and monthly storage of all relevant system parameters
- PREMIUM class pole and system construction with all necessary protections against adverse atmospheric conditions, precise statics calculation, pole height 3m-8m

Problems overcome with this system

Huge disbalance in summer and winter energy	Deep battery discharge	
Temperature oscillations	Vandalism and theft	Moisture penetration
Access to system parameters—reading and adjust-	Gas recombination of the bat-	

Partners

Energize - System integrator of world's largest companies

Highest quality components are integrated in the system in cooperation with world's largest companies. The knowledge and experience acquired from all around the globe is used to manufacture the best system. end user Necessary service support in warranty period is provided to the end user.

Equipment deployment

Anti-vandal solution for equipment deployment

Equipment is deployed in specially designed cabinets with adequate IP protection class resistant to atmospheric influence. Complex access to system components with special anti-vandal locks, for protection against theft and vandalism. Equipment is deployed on the pole that is designed to withstand all additional static and dynamic stresses.

ENERGIZE ECO Smart LED Controller

Energize patent



Energize Reference

Innovative controller for smart light intensity optimization

Patented Energize ECO Smart LED controller developed and designed for the exclusive use in Solar LED applications. Algorithm for measurements of the consumption and energy yield during the day is used to automatically create the optimal scenario of lighting intensity during the night according to available energy stored in the battery. Battery is selected for three days autonomy in adverse weather conditions. Integrated motion sensor allows for additional energy management optimization. The controller prevents deep battery discharge, optimizes the operation of the whole system and provides the prolonged warranty period.

#1 in Serbia

Leading reference in the field of Solar LED applications

Over 10MWp installed in the field of solar systems
ema

Product code:

ENSL P___/B___/L___/V___

P - rated power of the PV module 270 - 360 Wp

B - battery capacity 50 - 200Ah

L - LED bulb power 18 - 50W

V - height of the pole 3-8m