covimed
S☀lar
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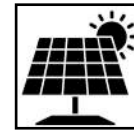
ECO50

![covimed solar]

LUMILEDS
4.700 Lm
7.500 Lm

PIR SENSOR

80 W

Remote Control

LiFePO4
36 Ah

COVIMED ECO50

COVIMED ECO50 is a new all-in-one solar street light design that offers extremely effective lighting for a wide range of applications. Its compact, all-in-one mode allows for easy installation and integration into many projects. The ECO model is made of quality aluminum die-casting shell instead of aluminum alloy which has better performance in wind resistance and achieves high IK level with aesthetic appearance. suitable to be installed in parks, roads, etc.

COVIMED ECO series is also highly efficient by combining a programmable MPPT controller, a recyclable lithium battery system, an asymmetric lighting LED source and a 'Smart Eye' sensitive motion sensor, to achieve economic savings, easier maintenance and reduce energy consumption

covimed solar

PIR MOTION SENSOR

PIR motion sensor with up to 10m wide range human body infrared ray detector: It gathers automatic convenient and safe energy saving

MPPT CONTROLLER

MPPT solar charge controller with PIR motion sensor charges more than 30% power than normal PWM controller. Up to 8% more efficiency allows the system to be fully charged every day. IP68 waterproof and high temperature resistant.
It has a remote control that allows us to change the programming and control the operation of the equipment

SOLAR PANEL

- Integrated high-efficiency MONO-CRYSTALLINE module
- Higher performance at longer wavelengths of light
- Superior performance at and temperature co-efficient
- Excellent performance with low light irradiation

BATTERY

--Lithium iron phosphate (LiFePO4) battery
-Safer lithium chemistry with high energy density
-Built-in automatic protections
-Efficient and durable up to more than 4000 DOD 50% cycles
-Wide temperature range: -20°C~70°C
-Maintenance free after installation
-Economic

COVIMED ECO50

SOLAR PANEL	
Type	Mono-Crystallline
POWER	80 Wp
panel voltage Vmp	18 V
panel voltage Voc	21 V
Maximum current Imp	4,45 A
BATTERY	
Type	LiFePo4
Capacity	36 Ah (460Wh)
Voltage	12,8 V
Charge/discharge cycles	> 2.000
LUMINARY	
Power	25 W a 50 W - Adjustable
lumens	170 lm/W
Type	Lumileds smd3030
Color Temperature	4,000 K
Presence Detector	Adjustable
Protection	IP65 / IK08
Useful life	50,000 H
CRI	> 79
Weight	14,30 Kg
Measures	1010x430x145 mm

DIFFERENT SCHEDULE OPTIONS

WITHOUT PRESENCE DETECTOR
4H al 100% — 7H al 30% - fully programmable

WITH PARTIAL PRESENCE DETECTOR
2H al 100% —   REST 30% + 100% to presence detection - Fully programmable

WITH TOTAL PRESENCE DETECTOR
    30% All night + 100% o presence detection - Fully programmable

DDEPENDING ON THE PROGRAMMING, THE DAYS OF AUTONOMY OF THE LAMP WILL INCREASE OR DECREASE

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