



EPSOLAR innovation keeps you

One Step Ahead



EPDC-5/10

SOLAR CONTROLLER

FOR SOLAR SYSTEM WITH AUTOMATIC LIGHTING CONTROL AND TIMER FUNCTIONS

EPSOLAR's high quality and reliability is now available in a low cost solar controller. The EPDC-2L combines EPRC design with two output terminals. EPDC controller is designed with a microcontroller for automatic lighting control functions.

THE TECHNOLOGY PROVIDES:

Proven reliability
Precise lighting control
PWM battery charging

FOUR VERSIONS AVAILABLE:

12 Volt: 5 and 10 amp ratings
24 Volt: 5 and 10 amp ratings

OPERATIONS:

Digital LED display shows the 16 lighting options (by switch with 5 seconds)

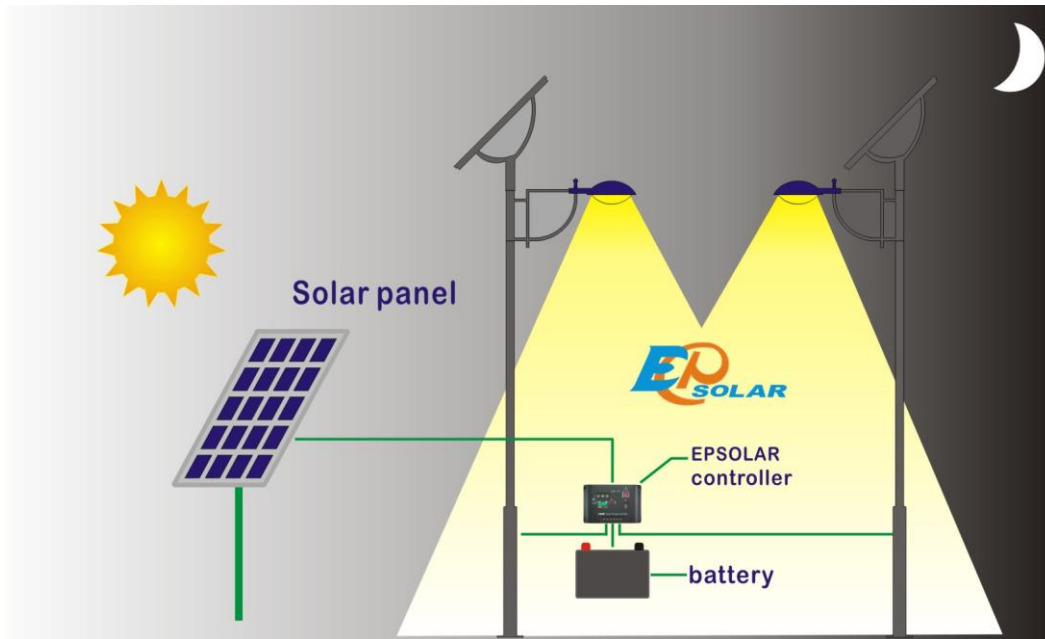
Number display, from 0 to 7, DC output for load 1.

Number display, from 0. to 7. DC output for load 2.

Digital LED stop flash to confirm correct switch selection.

10 minutes delay to make sure its real dark.

EPRC-2L SOLAR CONTROLLER



FEATURES:

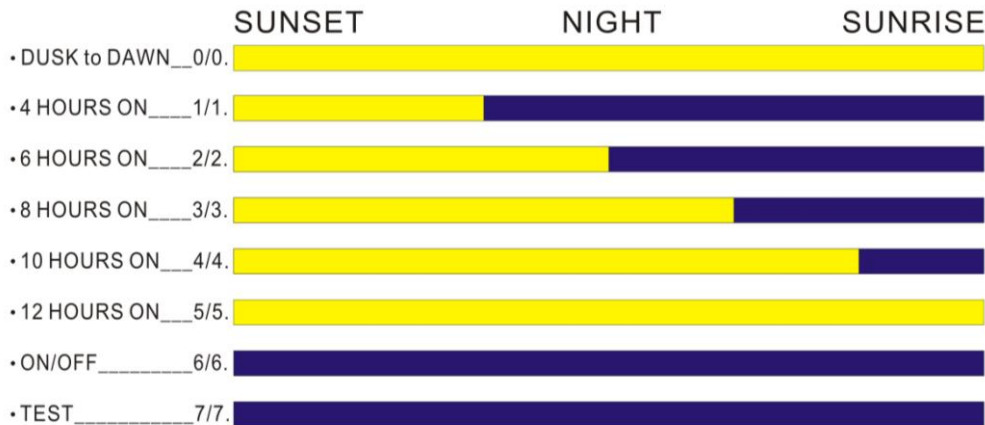
Microcontroller digital accuracy
Fully automatic operation
16 field adjustable lighting control options
Manual test capability

Detects day and night using the PV array
Suitable for all 12/24 Vdc lamps
Suitable for Seal lead acid battery
Temperature compensation

LIGHTING CONTROL OPTIONS

Number display, from 0 to 7, DC output for load 1.

Number display, from 0. to 7. DC output for load 2.



TECHNICAL INFORMATION

	12Volt	24Volt
Rated solar input	5/10A	5/10A
Rated load	5/10A	5/10A
25% Current overload	1 min.	5 min.
Regulation voltage	14.4 V	28.8 V
Load disconnect	11.08V	22.15 V
Load reconnect	12.58V	25.10 V
Temp Comp.(mV/°C)	-30	-60

Type of Charging: series PWM, state of charge(SOC)
4 stages Bulk,PWM,Boost and Float

Electronic protections: short circuit and over current
-solar and load
Reverse polarity-solar,load & battery
Reverse current at night
High voltage-load
Lightning-solar, load, battery

Tropicalization: circuit board-conformal coated
Terminals-corrosion protected

LED indications: Green charging
Green-Yellow-Red battery levels
Red low voltage warning and disconnect
Green-Yellow-Red battery levels
All 3 LEDs blink-to show mistakes

Self-consumption: 6mA maximum

Dimension: 140x90.5mm

Terminals: for wire sizes to 2.5mm²

Weight: 250g

Temperature: -35 to +55

Humidity: 100% non-condensing

Enclosure: IP22

Case: ABS

Compliance: CE world Bank

WARRANTY: Three years warranty period. Contact EPSOLAR or your authorized distributor for complete terms.



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