



EPSOLAR innovation keeps you

One Step Ahead



EPRC-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 EPRC Controller is designed with a microcontroller for automatic lighting control functions.

THIS TECHNOLOGY PROVIDES:

- Proven reliability
- Precise lighting control
- PWM battery charging

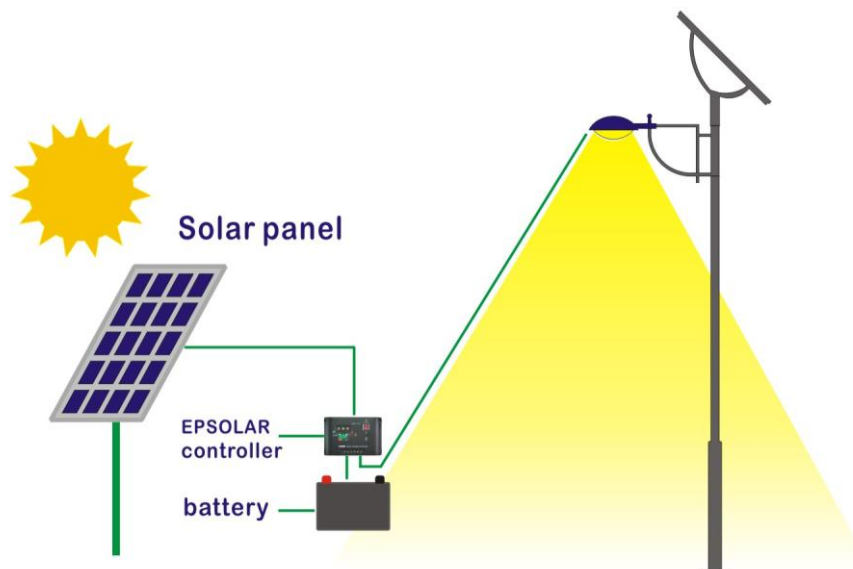
FOUR VERSIONS AVAILABLE:

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

OPERATION:

- Digital LED display shows the 16 lighting options (by switch with 5 seconds)
- Number display, from 0 to 7, DC output.
- Number display, from 0. to 7. 1Hz output.
- Digital LED stop flash to confirm correct switch selection.
- 10 minutes delay to make sure its real dark.

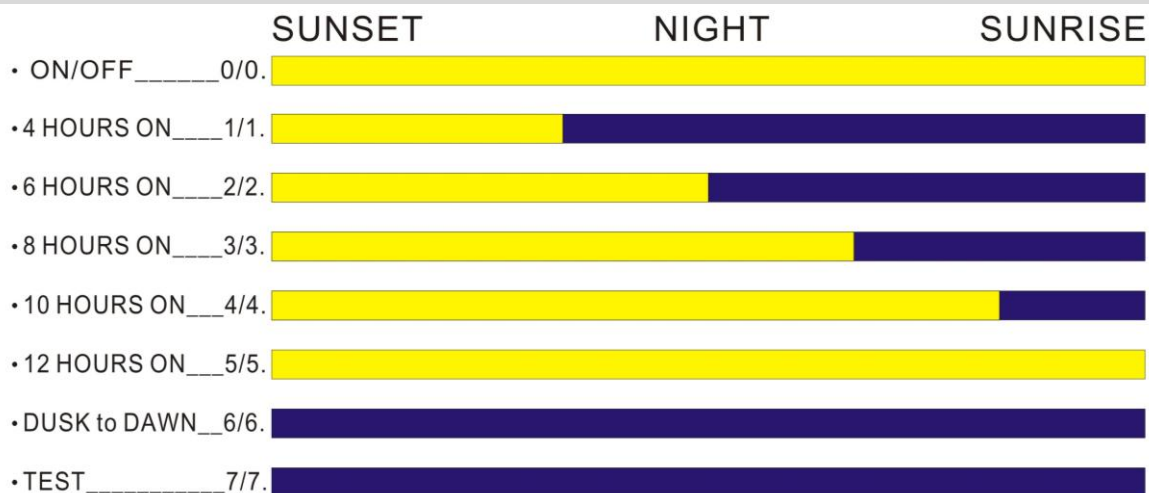
EPRC SOLAR CONTROLLER



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



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
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: *One year warranty period.*

Contact EPSOLAR or your authorized distributor for complete terms.