



EPSOLAR innovation keeps you

# One Step Ahead



## EPRC-5/10-MT

### 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-MT Combines EPRC design with two timer function. Controller is designed with a microcontroller for automatic lighting control functions.

#### THIS TECHNOLOGY PROVIDES:

- Proven reliability
- Precise lighting control
- PWM battery charging

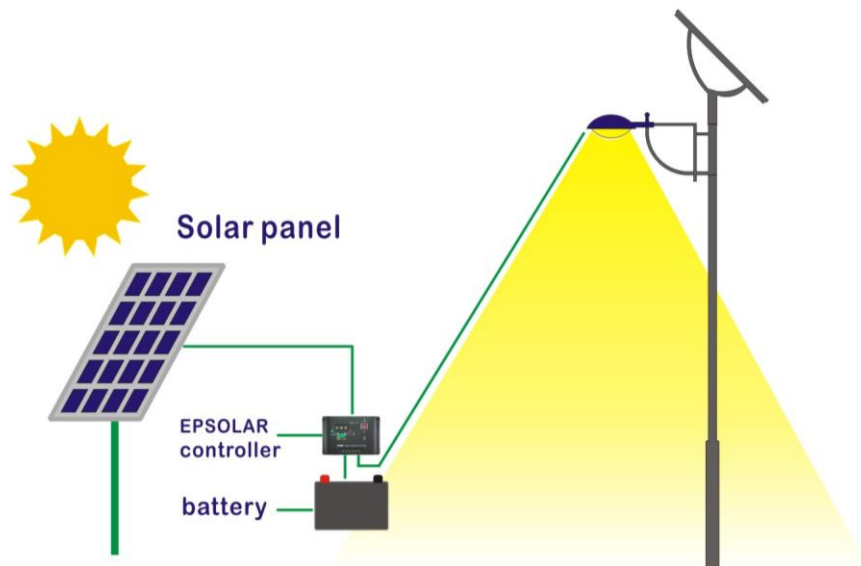
#### FOUR VERSIONS AVAILABLE:

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

#### OPERATIONS:

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

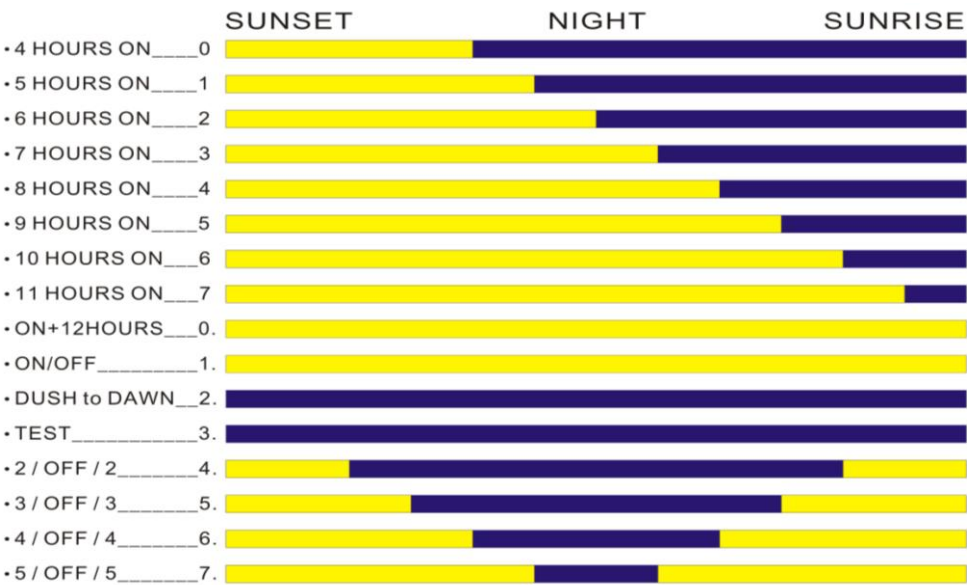
#### EPRC-MT SOLAR CONTROLLER



#### FEATURES:

Microcontroller digital accuracy	Detects day and night using the PV array
Fully automatic operation	Suitable for all 12/24 Vdc lamps
16 field adjustable lighting control options	Suitable for Seal lead acid battery
Manual test capability	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	Self-consumption: 6mA maximum
	4 stages Bulk,PWM,Boost and Float	Dimension: 140x90.5mm
Electronic protections:	short circuit and over current	Terminals: for wire sizes to 2.5mm <sup>2</sup>
	-solar and load	Weight: 250g
	Reverse polarity-solar,load & battery	Temperature: -35°C to +55°C
	Reverse current at night	Humidity: 100% non-condensing
	High voltage-load	Case: ABS
	Lightning-solar, load, battery	Compliance: CE world Bank
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	

**WARRANTY:** *One year warranty period. Contact EPSOLAR or your authorized distributor for complete terms.*