



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

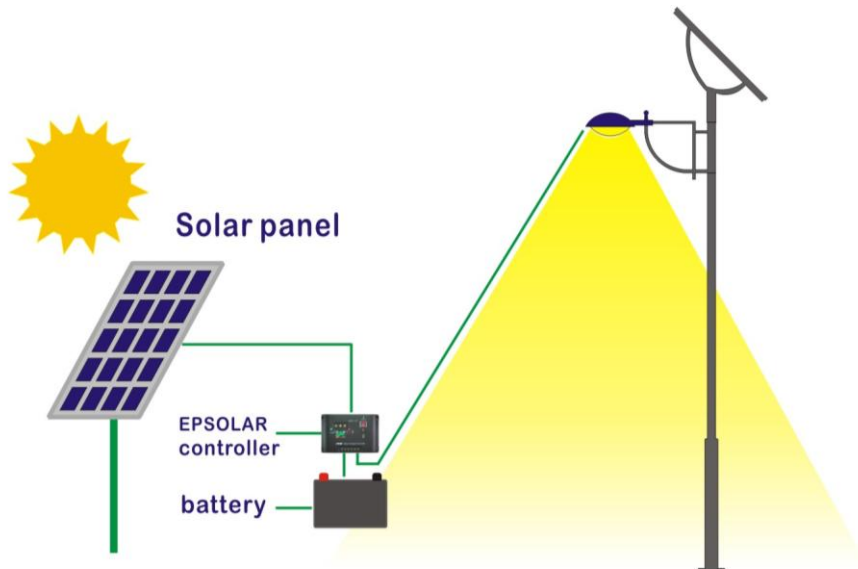
FOUR VERSIONS AVAILABLE:

- 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.

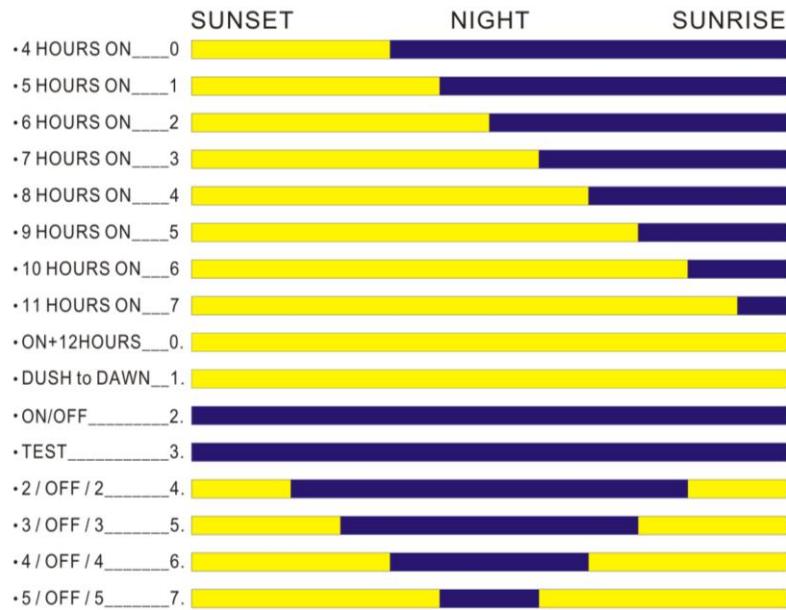
EPRC-MT SOLAR CONTROLLER



FEATURES:

- Microcontroller digital accuracy
- 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, state of charge(SOC) 4 stages Bulk,PWM,Boost and Float	Self-consumption: 6mA maximum Dimension: 140x90.5mm Terminals: for wire sizes to 2.5mm ² Weight: 250g Temperature: -35°C to +55°C Humidity: 100% non-condensing Case: ABS Compliance: CE world Bank
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	

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



BEIJINGEPSOLAR TECHNOLOGYCO.,LTD.

Address:RM.501, BLDG 2, International Technology Park, No. 1 Shangdi

Xinxi Road, Haidian district, BEIJING,CHINA.100085

TEL:86-10-82894896/4856 FAX:86-10-82894882

Email:polly_sun2003@163.com Website:www.epsolarpv.com

Msn:polly_sun2003@hotmail.com