



EPSOLAR innovation keeps you

# One Step Ahead



## EPIP-20-R

### 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 EPIP-20-R Controller is designed with a microcontroller for automatic lighting control functions.

#### THIS TECHNOLOGY PROVIDES:

- Proven reliability
- Precise lighting control
- PWM battery charging

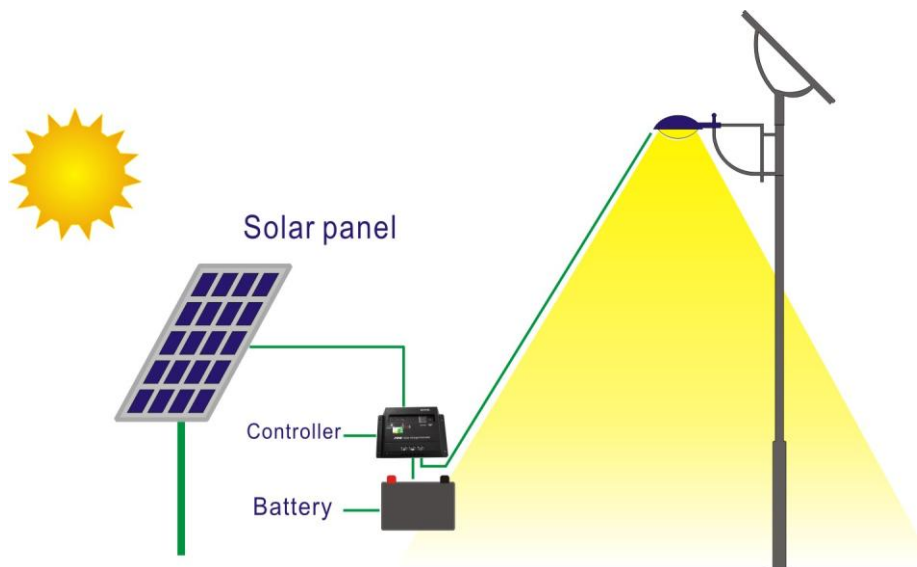
#### FOUR VERSIONS AVAILABLE:

- 12 Volt: 15 and 20 amp ratings
- 24 Volt: 15 and 20 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.

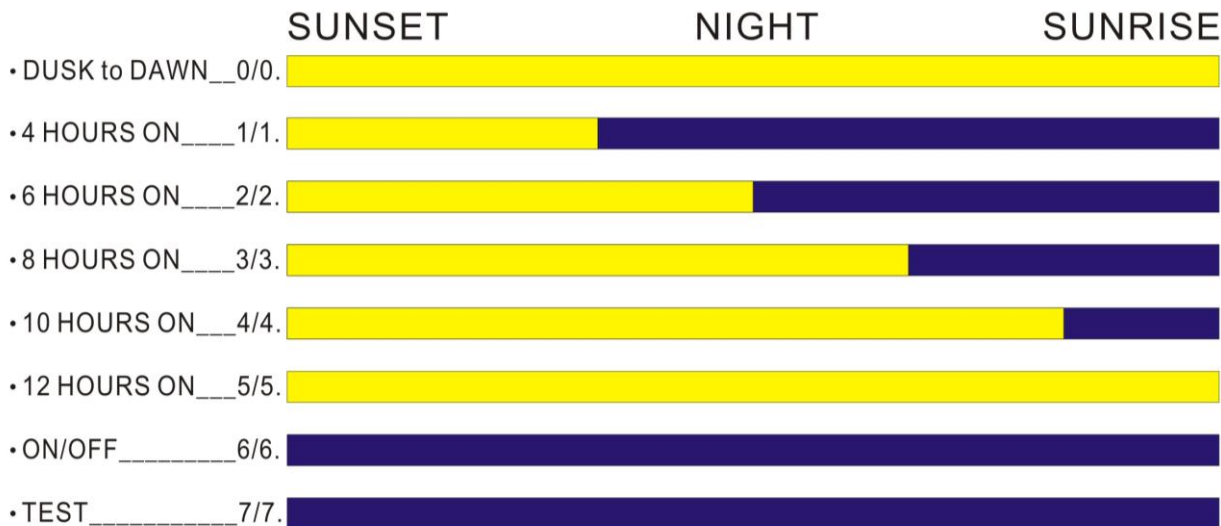
#### EPRC SOLAR CONTROLLER



#### 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 V DC lamps
- Suitable for Seal lead acid battery
- Temperature compensation

#### LIGHTING CONTROL OPTIONS



## TECHNICAL INFORMATION

	12Volt	24Volt
Rated solar input	15/20A	15/20A
Rated load	15/10A	15/20A
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
<b>Type of Charging:</b>	series PWM, state of charge(SOC) 4 stages Bulk,PWM,Boost and Float	<b>Self-consumption:</b> 10mA maximum
<b>Electronic protections:</b>	short circuit and over current -solar and load Reverse polarity-solar,load & battery Reverse current at night High voltage-load Lightning-solar, load, battery	<b>Dimension:</b> 141*96*34mm <b>Terminals:</b> for wire sizes to 6mm <sup>2</sup> <b>Weight:</b> 350g <b>Temperature:</b> -35 to +55 <b>Humidity:</b> 100% non-condensing <b>Enclosure:</b> IP22 <b>Case:</b> ABS
<b>Tropicalization:</b>	circuit board-conformal coated Terminals-corrosion protected	<b>Compliance:</b> CE world Bank
<b>LED indications:</b>	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