



EPRC-ST-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-ST is the update of EPRC series. The Controller is designed with a microcontroller for automatic lighting control functions.

THIS TECHNOLOGY PROVIDES:

Proven reliability
 Precise lighting control
 PWM battery charging

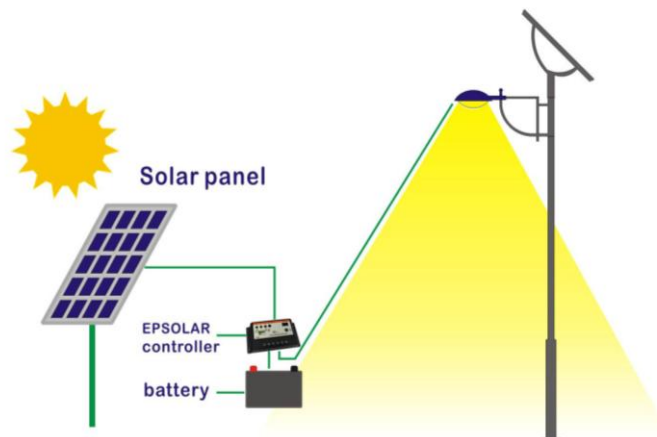
FOUR VERSIONS AVAILABLE:

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 17, DC 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
 17 field adjustable lighting control options
 Manual test capability

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

LIGHTING CONTROL OPTIONS

Number 0	Dusk-to-Dawn, light is on all night
Number 1	Light is turn on after sundown for 1 hour
Number 2	Light is turn on after sundown for 2 hours

Number 3	Light is turn on after sundown for 3 hours
Number 4	Light is turn on after sundown for 4 hours
Number 5	Light is turn on after sundown for 5 hours
Number 6	Light is turn on after sundown for 6 hours
Number 7	Light is turn on after sundown for 7 hours
Number 8	Light is turn on after sundown for 8 hours
Number 9	Light is turn on after sundown for 9 hours
Number 10	Light is turn on after sundown for 10 hours
Number 11	Light is turn on after sundown for 11 hours
Number 12	Light is turn on after sundown for 12 hours
Number 13	Light is turn on after sundown for 13 hours
Number 14	Light is turn on after sundown for 14 hours
Number 15	Light is turn on after sundown for 15 hours
Number 16	Lights remain turned off, ON/OFF mode
Number 17	Test mode, lights on after it detects no light, lights off after it detects light.

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
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	Dimension: 140x90.5mm Terminals: for wire sizes to 2.5mm ² Weight: 250g Temperature: -35 to +55 Humidity: 100% non-condensing Enclosure: IP22 Case: ABS
Tropicalization:	circuit board-conformal coated Terminals-corrosion protected	Compliance: CE world Bank
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 years warranty period.

AA Portable Power Corp (<http://www.batteryspace.com>)

Address: 860 S 19th St Unit A Richmond CA 94804

Tel: 510-525-2328 Fax: 510-439-2808

Email: Sales@BatterySpace.com