

# Solar Panel Regulator

## BL-SPR30A / BL-SPR40A / BL-SPR45A BRITE LED TECH PRODUCT

### 3. Intelligent solar charge controllers

1. Overloading protection
2. Short circuit protection
3. Reverse current protection
4. Reverse polarity connecting protection
5. Thunder and lightning protection
6. Over discharge protection  
Battery turn off at the voltage level, LVD sets up
7. Over charge protection  
Battery stop being charged at the voltage level, HVD sets up
8. Display the capacity of the battery SOC
9. Intelligentized the temperature compensation
10. Memorize accumulated charging ampere hours on the LCD screen
11. Memorize accumulated loading ampere hours on the LCD screen
12. MCU control and LCD display



Model	Rated Voltage	Loading current Max	Full charge cut	Low voltage cut	Temperature compensation	No load loss	Wire area Min	Voltage drop	Measurement (mm)	Gross Weight (g)
CMP-30A	12V/24V auto switch	≤30A	13.7V Default, can be reset	10.5V Default, can be reset	-3mw°C/cell	≤45mA	6mm <sup>2</sup>	<200mv	178*162*80	720g
CMP-40A	12V/24V auto switch	≤40A	13.7V Default, can be reset	10.5V Default, can be reset	-3mw°C/cell	≤45mA	6mm <sup>2</sup>	<270mv	178*162*80	720g
CMP-45A	12V/24V auto switch	≤45A	13.7V Default, can be reset	10.5V Default, can be reset	-3mw°C/cell	≤45mA	6mm <sup>2</sup>	<270mv	178*162*80	720g

Ideal for using with any style solar panels with a rating output which is simply by doing the calculations, so you can work out which regulator size best suits your needs always ensuring not to exceed the regulators suggested amp output

30amp

>360w panel max for 12v systems

>720w panel max for 24v systems

40amp

>480w panel max for 12v systems

>960w panel max for 24v systems

45amp

>540w panel max for 12v systems

>1080w panel max for 24v systems

Regulators are auto switching meaning can use on either 12v or 24v systems with just connecting and away you go, has a LCD display to show when in charge mode, when battery low or charged and when is open circuit to protect the regulator, offer many styles of read outputs so you can keep a good eye on the power being offered from your solar panel/s and you can make all settings yourself so can preset fully charged to auto switch off aswell as the low charge setting for when regulator should kick in and start to charge, this is a very smart regulator system found on most motorhomes and caravans.

All Regulators come with a 12mth replacement warranty when used under normal conditions