

Solar controller Steca Solsum

Order-No: P 821*

- Voltage regulation
- PWM shunt battery charging
- Boost charging
- Float charging
- Automatic load reconnection
- Automatic selection of voltage (12 V / 24 V)
- Temperature compensation
- Positive grounding (or) negative grounding on one terminal
- Electronic Protections



Description:

One of Steca's bestsellers are the photovoltaic controllers of the Solsum C series which are used in small solar home systems with a 5 to 10 Amp solar charging and load current capacity (up to 240 Wp). The Solsum C series was launched in 2004 as a redesign of the Solsum X series. The C series advantages are large connection terminals, fully covered PCB and a easy to understand display. The electronic board uses automatized through hole technology for easy local maintenance.

Electronic Protection:

- high voltage disconnect (HVD)
- low voltage disconnect (LVD),
- not 5.0c & 8.0c
- reverse polarity of solar modules
- reverse polarity of load & battery
- short circuit of solar modules
- short circuit of load
- over temperature
- over voltage
- lightning protection by varistor
- low electronic interference (EMC)
- open circuit battery
- reverse current at night

Display:

- battery charging LED
 - by solar module = green LED in "sun" symbol
- battery voltage LED
 - end of charge voltage = green LED
 - battery voltage level
 - = red & yellow & green LED
 - load disconnect prewarning = fast
- flashing red LED
 - deep discharge protection
 - = slowly flashing red LED

Specification SolarCharger Steca Solsum: P 821*

System voltage	12 V / (24 V)				
max. module input short circuit current	5A	8A	6A	8A	10A
Max. load output current	5A	8A	6A	8A	10A
LVD	-	-	x	x	x
Max. self consumption	4 mA				
End of charge voltage	13.7 V / (27.4 V)				
Boost charge voltage	14.4 V / (28.8 V)				
Equalisation charge	-				
Reconnection setpoint (LVR)	without LVR	12.6 V / (25.2 V)			
Deep discharge protection (LVD)	without LVD	11.1 V / (22.2 V)			
Ambient temperature	-25 - +50°C				
Enclosure Protection	IP 22				
Weight	165 g				
Dimensions	130 x 88 x 39 mm				
Manufacturer	Steca				

