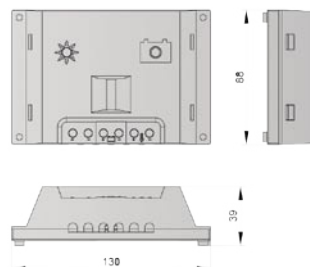




Solar Charge Controller



Solsum – Series

6.6, 8.8, 10.10

Power class

6 A - 10 A



Bestsellers are the photovoltaic controllers of the Solsum C series which are used in small solar home systems with a 6 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.

Features

- voltage regulation
- PWM shunt battery charging
- boost charging
- float charging
- automatic reconnection
- automatic selection of voltage 12 V / 24 V
- temperature compensation
- positive grounding
- (or) negative grounding on one terminal

Electronic Protections

- high voltage disconnect (HVD)
- low voltage disconnect (LVD)
- 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

Displays

- two LEDs
- battery charging LED
- battery voltage LED



SH-No.:	110101	110102	110103
Solar Charge Controller	6/6	8/8	10/10
system voltage	12 / 24 V		
max. module input current	6 A	8 A	10 A
max. load output current	6 A	8 A	10 A
LVD	√	√	√
max. self consumption	4 mA		
end of charge voltage (float)	13.7 V (27.4 V)		
boost charge voltage	14.4 V (28.8 V)		
equalisation charge	-		
connection setpoint (LVR)	12.6 V (25.2 V)		
deep discharge protection (LVD)	11.1 V (22.2 V)		
ambient temperature allowed	-25°C...+50°C		
terminal size (fine / single wire)	2.5 mm ² / 4 mm ²		
enclosure protection class	IP 22		
weight	165 g		
dimensions l x w x h	130 x 88 x 39 mm		

Technical data at 25°C / 77°F