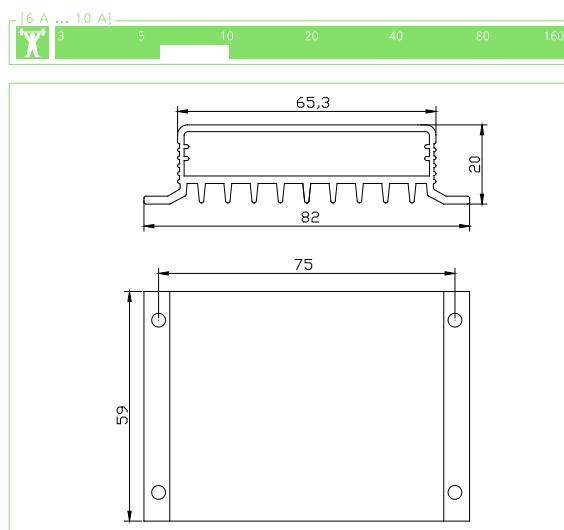




## fangpusun solsum E

3.3E, 7.7E, 10.10E, 15.15E



The Fangpusun Solsum E-Line IP68 Series continues the huge success of one of the most used SHS controllers. With a power range of up to 15 A at automatically recognized 12 V or 24 V it fits to a system size of maximum 240 W.

The circuit board is completely electronically protected and with the LED user interface it is easy to check the battery charge at any time. Large terminals guarantee a simple connection of solar panels, battery and load. The Fangpusun Solsum E works on PWM as a low loss series controller.

### Product features

- Series controller
- Voltage regulation
- Automatic detection of voltage
- PWM control
- Multistage charging technology
- Current compensated load disconnection
- Automatic load reconnection
- Temperature compensation
- Common positive grounding or negative grounding on one terminal
- Monthly maintenance charge

### Electronic protection functions

- Overcharge protection
- Deep discharge protection
- Reverse polarity protection of load, module and battery
- Automatic electronic fuse
- Short circuit protection of load and module
- Overvoltage protection at module input
- Open circuit protection without battery
- Reverse current protection at night
- Overtemperature and overload protection
- Battery overvoltage shutdown

### Displays

- Multifunction LED display
- Multi-coloured LED
- 4 LEDs show operating states for operation, state of charge, fault messages

### Options

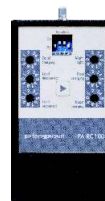
- Night light function pre-set in the factory or adjustable via Fangpusun PA RC 100
- Parameterisation of function values via Fangpusun PA RC 100

### Certificates

- Compliant with European Standards (CE)
- RoHS compliant
- SGS
- ISO 9001
- Made in China

	3.3E	7.7E	10.10E	15.15E
<b>Characterisation of the operating performance</b>				
System voltage	12 V (24 V)			
Own consumption	< 4 mA			
<b>DC input side</b>				
Open circuit voltage solar module	< 47 V			
Module current	3 A	7 A	10 A	15 A
<b>DC output side</b>				
Load current	3 A	7 A	10 A	15 A
End of charge voltage	13.9 V (27.8 V)			
Boost charge voltage	14.4 V (28.8 V)			
Reconnection voltage (SOC / LVR)	> 50 % / 12.4 V ... 12.7 V (24.8 V ... 25.4 V)			
Deep discharge protection (SOC / LVD)	< 30 % / 11.2 V ... 11.6 V (22.4 V ... 23.2 V)			
<b>Operating conditions</b>				
Ambient temperature	- 5 °C ... +50 °C			
<b>Fitting and construction</b>				
Terminal (fine / single wire)	4 mm <sup>2</sup> / 6 mm <sup>2</sup> - AWG 12 / 9			
Degree of protection	IP 68			
Dimensions (X x Y x Z)	82 x 59 x 20 mm			
Weight	approx. 150 g			

Technical data at 25 °C / 77 °F



Remote control  
Fangpusun PA RC100