

20Amp Solar Charge Controller



Product Code: **FSR20M**
Barcode: **6002844042387**



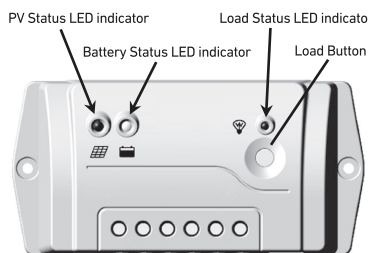
- Optional user programmable Remote Monitor (MT50 not supplied).
- High accuracy control by advanced microprocessor.
- 4 stage intelligent PWM charging with temperature compensation.
- Diverse load control.
- Automatic system voltage detection.
- Extensive electronic protection.
- Highly reliable large terminals.
- Monitor and set parameters via RS-485 (MT50 Meter Optional).
- Open standard MODBUS protocol.

20Amp Solar Charge Controller

The solar charger controller has the system voltage 12/24V automatic recognition function and custom define function, and all charge, discharge and load control parameters can be modified.

Diagram

LED Indicators



Indicator Status Description

PV	Green	On Solid	Normal
	Green	Slowly Flashing	In charging
	Green	OFF	No charge
Battery	Green	On Solid	Normal
	Green	Slowly Flashing	Full
	Green	Fast Flashing	Over voltage
	Orange	On Solid	Under voltage
	Red	On Solid	Over discharged
	Red	Red Flashing	Battery over temperature
Load	Red	On Solid	Normal
	Red	Slowly Flashing	Overload
	Red	Fast Flashing	Short circuit
Charging, load and battery indicator (red) flashing simultaneously			System voltage error
Charging, load and battery indicator (orange) flashing simultaneously			Controller overheating

Switch Button Function

- 1) Manual ON/OFF control of the load.
- 2) Resume to normal work after the fault is cleared up.

TECHNICAL INFORMATION

Specifications:

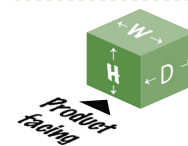
Electrical Parameters

Operating voltage automatic:	12V/24VDC
Rated charge current:	20A
Rated load current:	20A
Electronic protection	(20A, 12V or 24V)
Auto sensing:	12 or 24V
Description:	Parameter
Nominal system voltage:	12/24VDC
Max. PV input voltage:	50V
Max. battery terminal voltage:	34V
Rated battery current:	20A
Charge circuit voltage drop:	≤0.28V
Discharge circuit voltage drop:	≤0.20V
Self consumption:	≤8.4mA / 12VDC ≤7.8mA / 24VDC
Temperature compensation coefficient:	-3mV / °C / 2V (Default)
Grounding:	Positive grounding

THE PACKAGE CONTAINS

- 1 x Controller unit
- 1 x Manual

PACKAGE DIMENSIONS



Height (mm)	Depth (mm)	Width (mm)	Weight (kg)
91	59	172	0.22