

Features

- 12V/24V automatic recognition on both battery & solar connections
- Unique single, or dual, battery charging functions
- Efficient series PWM charging
- Charging & status LEDs
- Reverse current protection

RS PRO Solar Charge Controllers

RS Stock No.: 905-4532,905-4536



RS PRO Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

10Ah up to a maximum of 150W (10A) of solar panel(s)

20Ah up to a maximum of 300W (20A) of solar panel(s)

Our RS PRO 10Ah and 20Ah charge controllers provide the best in power delivery from solar panel to 12v or 24v battery whether charging a single or twin batteries. AS PWM (pulse width modulation) controllers, they deliver sizable benefits over standard charge controllers by achieving a constant battery voltage and thereby producing a higher charge efficiency, rapid recharging and a longer life expectancy for any battery.

The dual battery charging function the controller focuses its power delivery on the battery connected to the no. 1 terminal until that battery is 70% fully charged. Once this is reached power will be delivered to both batteries equally until both are 100% charged.

Technical Specifications

Nominal System Voltage	12/24VDC (automatic system voltage recognition)
Battery Voltage Range	6-36V
Rated Battery Current	10A/5A/20A depending on model selected
Charge Circuit Voltage Drop	≤0.26V
Self-Consumption	≤6mA
Over Voltage Disconnect Voltage	16V/32V
Charging Limit Voltage	15.5V/31V
Equalize Charging Voltage	14.6V/29.2V
Float Charge Voltage	13.8/27.2V
Suitable Battery Type	Sealed, flooded, gel and LiFePO4 - lithium iron phosphate
Protection	Solar panel and battery protection against short circuit and reverse polarity, battery removal and lightning strike

Mechanical Specifications

Dimensions	132 x 70 x 25mm
Depth	25mm
Length	132mm
Width	70mm
Weight	155g
Mounting hole size	3.8mm
Terminals	6mm ²

Operation Environment Specifications

Operating Temperature	-35°C to +55°C
Temperature Compensation Coefficient	--30mV/°C/12V(25° ref)

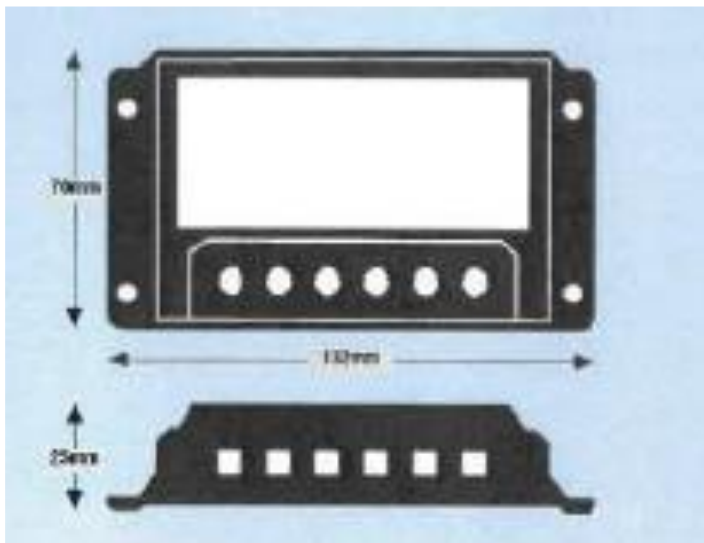
Warranty

Warranty	12 months
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Approvals

Standards Met	CE; UKCA; RoHS;
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Dimensions



Battery Connections

