

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 Controller

RS Stock No.: 10Ah 905-4532 & 20Ah 905-4536



RS 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

Solar charge controller 12v/24 DC – 10Ah and 20Ah

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)

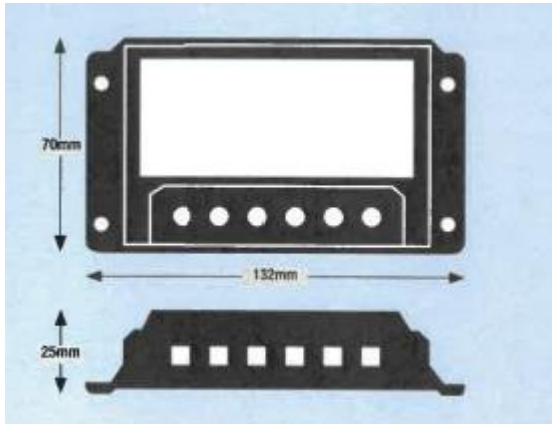
Warranty

Warranty	12 months
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Approvals

Standards Met	CE; UKCA; RoHS;
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Dimensions



Battery Connections

