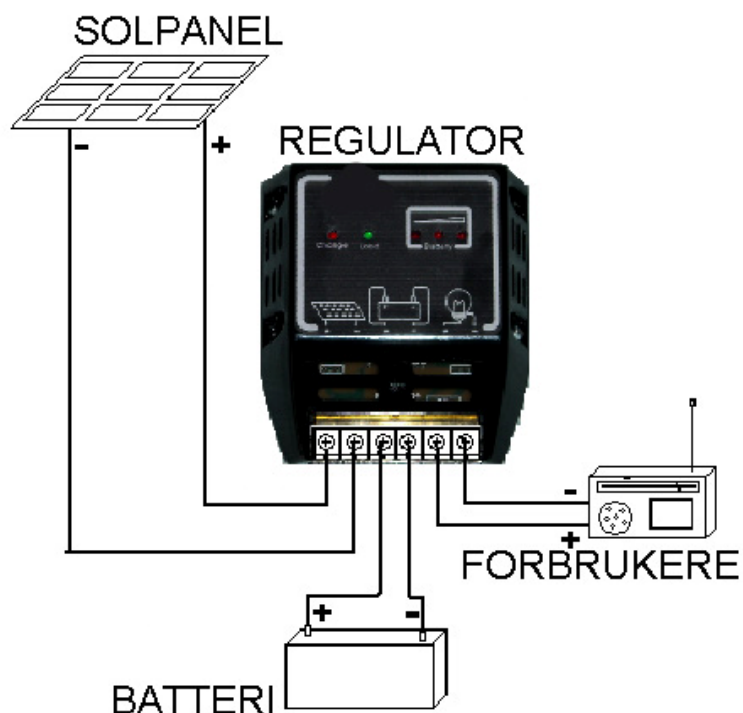




Solcelleregulator Sunwind 12A diode
Art nr540165

<u>NO</u>	<u>Bruksanvisning</u>	<u>1-</u>
<u>EN</u>	<u>Instruction Manual</u>	

Brukerveiledning



Funksjon:

Regulatorens oppgave er å kontrollere ladning av batteriet slik at det til enhver tid får optimal ladning. I tillegg overvåker den forbruket og forhindrer at batteriet leverer strøm til solcellepanelet på kveldstid.

Tilkobling:

Skissen over viser et skjematisk oppsett av tilkoblinger.

1. Tilkoble "+" og "-" polene på batteriet med riktige utganger på regulatoren. Bruk minimum 6mm² kabel.
2. Tilkoble "+" og "-" riktig med kabel fra solpanelet. Det er VIKTIG at panelet IKKE tilkobles før batteriet! Bruk tabell for riktig dimensjonering av kabel. Som tommelfingerregel bør det benyttes 1mm² kabelverrsnitt pr meter som skal legges opp.
3. Tilkoble "+" og "-" til forbrukskurs. Det er fornuftig å legge opp en noe grovere kable ut til første koblingspunkt. Benytt koblingsbokser til å fordele kursene jevnt.

Indikatorlampe:

Tre røde LED. Disse indikerer spenningsnivå på batteri. Alle tre lampene lyser når batteriet er fulladet, en lampe lyser når forbruket må avsluttes.

En grønn LED indikerer at batteriet er fullt, lampen blinker når batteriet er i floatladningsmodus. Ladning har stoppet når lampen slutter å lyse.

Hvis batterispenningen er lav lyser en eller to av de røde lampene. Når batterispenningen blir for lav vil forbruket kuttes. Når spenningen på batteri igjen øker vil anlegget kunne belastes som normalt.

INTRODUCTION OF SOLAR CHARGE CONTROLLER

Function :

According to the voltage of battery, controller will adjust the charging current and decide if to supply power to the loads.

1. Generally keep the battery on full voltage condition.
2. Prevent the battery from over-charging.
3. Prevent the battery from over-discharging.
4. Prevent the battery from supplying power to solar panels during nights.

Connection :

according to indication in the picture :

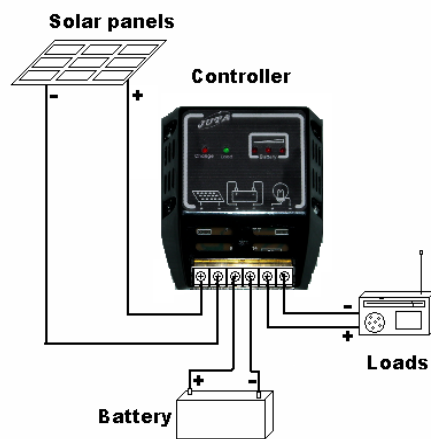
1. Connect “+” and “-” poles of battery with the correct ports on the Controller (the third and fourth wires from the left).
2. Connect “+” and “-” poles of solar panels with the correct ports on the controller (the first and second wires from the left).
3. Connect “+” and “-” poles of load with the correct ports on the controller (the fifth and sixth wires from the left).

“Indicator light :

1. Three red LED. They indicate the voltage of battery. The red LED indicates the capacity of the battery. If the capacity is full, the three red LED will be all illuminating, and if the capacity is not enough, there is only one red light LED illuminating.
2. One green LED. The battery is strongly charged when this light is illuminating, the battery is floatingly charged when this LED is flickering, and the battery has stopped charging when the LED unlighted.
3. If the voltage of battery is low, the one red LED or two red LED will be illuminating, and the load can't work normally. But when the voltage of battery reaches up to 13.2V, the load will be start to work normally automatically.”

Attention :

1. Please check the rated voltage of solar panels, battery, and load before connection. Their rated voltage should be 12v.
2. Pay more attention to “+” and “-” poles of solar panels, battery, controller and loads during the process of connection.
3. The rated current of solar panels and loads are kept lower than the one of controller.



rated voltage	12V	Voltage of stop power supply	*10.8V
rated charging current	12A	Voltage of resume power supply	*12.6V
Rated loading current	12A	Voltage of stopping charge	*14V
Working temperature	-20 ~ +60°C	N. G	136g
Size (L*W*H)	102*45*107mm	PCS/Carton	48



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