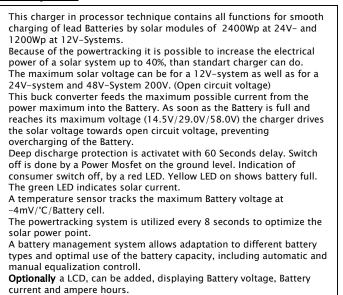
MPPT- Solar charge controller SMR2000 **Description**:



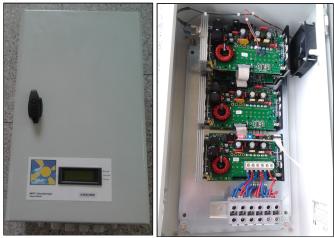
Optionally a RS232 can be added.

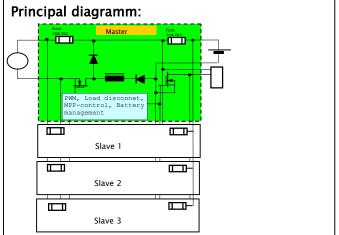
<u>Highlights:</u>

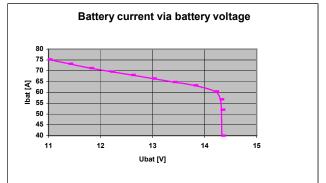
- * DC-Converter to adapt battery to solar voltage
- * MPP-Tracking of solar power
- * Selection of 3 Battery voltages 12V/24V/48V
- * Deep discharge protection short cut protected
- Option: Temperature tracking of Battery voltage
- * Option: LCD for Battery voltage, current, power and energy (kilowatt hour meter).

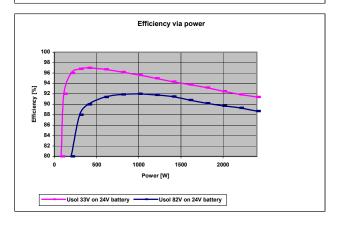
Technical data

	12V-Akku	24V-Akku	48V-Akku
Max. solar open circuit voltage, Usoc	200V	200V	200V
Max. solar current	86A	83A	52A
Max. charge current	80A	80A	50A
Max. solar power, Pnom	1120Wp	2240Wp	2820Wp
Efficiency	Ca. 93% bei Halblast	Ca. 96% bei Halblast	Ca. 96% bei Halblast
Deep discharge protection Load disconnect (short cut protected)	10.8V Battery voltage with 60 Sec. Delay	21.6V Battery voltage with 60 Sec. delay	43.2V Battery voltage with 60 Sec. delay
Load reconnect	12.5V	25.0V	50.0V
Max. consumer current	50A	50A	50A
End of charge voltage	14.5V	29.0V	58V
Current consumption	16mA	16mA	16mA
Terminals 3x solargenerator 2x battery output 2x consumer outp. 2x temp. sensor 2x pot.free contacts 1x Earth	35qmm/25qmm, 35qmm/25qmm, 35qmm/25qmm, 1qmm, 1qmm, M6		
Temperatur sensor	KTY10-5 or 1.91kOhm		
Cable glands	3x PG16, 2x PG7		
LED's	right: yellow (Indication of max Battery voltage) left: green (Battery current>0.5A) middle: red (consumer off)		
housing	Steel wall mounted wxhxd 300x500x210mm		
protection	IP54		
weight	15.5kg		
Moisture	90% (coating)		
Operating Temperature	-20°C bis +50°C		







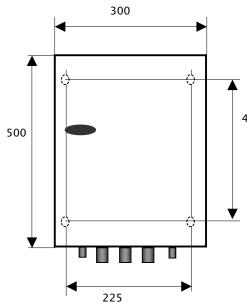


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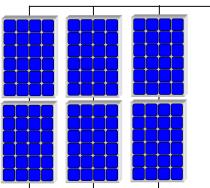
Schams-Electronic GmbH, Keltenring 12, D-92361 Berngau

Housing dimensions (mm):

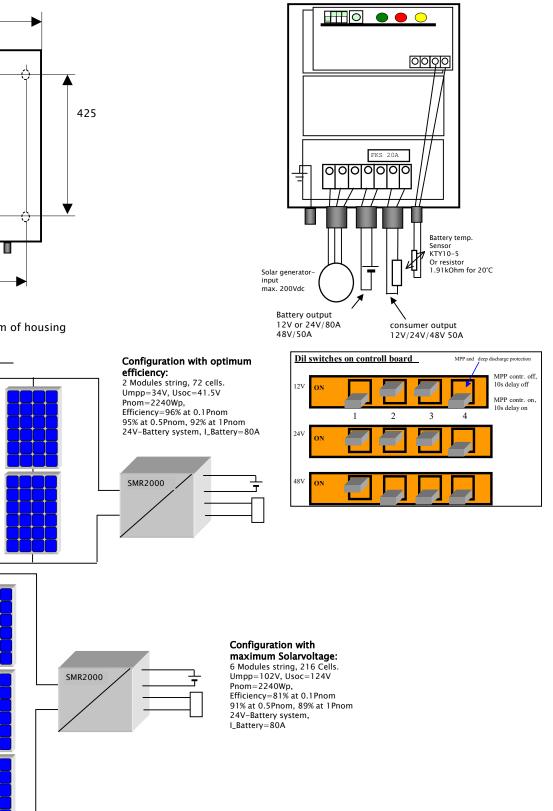


Height=210mm Mounting holes in bottom of housing D=10mm_

Applications:



Connection diagram



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