

SLR130 / SLR145

Solar Charge Controller IP65

- ✓ Systemvoltages 12/24 or 48 Volt
- ✓ 30/45 A module current
- ✓ LC-Display for tension and currents
- ✓ LED-Display for status informations
- ✓ Two signal relays for malfunctions



- ✓ Load dependent deep discharge protection
- ✓ Temperature tracking of final voltage
- ✓ Equalization charge can be disabled
- ✓ protection IP65
- ✓ compact aluminium case

charge controller SLR130 and SLR145

Stand alone photovoltaic installations with up to 3kW module performance. Standard nominal system voltage 12, 24 and 48V. Used in professional photovoltaic installations such as telecommunications systems, radio- and TV- booster stations, directional radio installations as well as autonomous household energy supply.

- Overcharge protection using the shunt-switch principle. Optimal charge via PW-Modulation with 20Hz.
- Defined switch flanks prevent interference with radio signals.
- Integrated lightning protection, admissible pulse current 500A / 50µsec.
- 3 ½ digit measuring device with current and voltage display, five status LEDs, two signal relays.
- Two year warranty with proper use within recommended ranges of operation.

Technical data

Systemvoltage	UNenn	12V	24V	48V
final voltage	Uchg	13.8V	27.6V	55.2V
max mdule current SLR130/145	IKmax		30A/45A	
load off, ILoad = 0A	ULoad off	11.7V	23.4V	46.8V
load off, ILoad = 30A	ULoad off	10.8V	21.6V	43.2V
load reconnect	ULoad on	13.2V	26.4V	52.8V
max load current	ILoad max	30A	30A	5A(30A)
battery empty, Load = 0A	UBat. empty	12.0V	24.0V	48.0V
battery empty, Load = 30A	UBat. empty	11.1V	22.2V	44.4V
min. gassing voltage	UTimer 2	14.4V	28.8V	57.6V
max gassing voltage	UGas. Ende	15.6V	31.2V	62.4V
overvoltage signal	Uovv	14.7V	29.4V	58.8V
Max. input voltage	UINmax	30V	50V	75V
Max signal relais current/voltage	ILSigmax	150mA / 200V DC		
quiescent current	IV	<6mA		
operating temperature	TA	-15... +50°C (LCD 0..50°C)		
max. rel. humidity		75%		
protection		IP 65		
Reihenklommen, Anschluß Ø		10mm² strand / 16mm² solid		
cable glands		4x PG21, 1x PG9		
dimensions, weight		260 x 195 x 90mm, 3 kg		

