

SLR308/316

charge controller with nightlight function

- ✓ 12 and 24 Volt systems
- ✓ 8 or 16A module current (optional 20A)
- ✓ LED-displays
- ✓ brightness controlled
- ✓ programmable digital clock



- ✓ protected against deep discharge and overload
- ✓ temperature compensation optional
- ✓ IP65 protected (splash proof)
- ✓ infrared motion detector optional

SLR 308/316 solar charge regulators for autonomous lighting systems

A charge regulator is indispensable for maintaining peak performance and long life span for batteries and solar installations. These special demands of solar power installations are met optimally by the solar charge regulator SLR 308/316. Due to their added functions are they especially suitable for operating solar lighting systems such as battery operated street and parking lighting but also for alarm and surveying systems.

- Automatic overcharge protection using the shunt-switch principle
- Deep discharge and overload protected by an "high-side switch"
- Brightness control via the solar module.
- Up to 5 periods of "on-time" can be programmed with the clock.
- Two years warranty

Options :

- An external infrared motions detector can limit the time of lighting to reduce current consumption.
- The temperature sensor KTY 881-(6,8 or 10) adjusts the final voltage to the battery temperature by $-4,5 \text{ mV/C/ cell}$.
- available without clock, only brightness controlled

Technical Data (at 25°C)		SLR 308	SLR 316	24 Volt
Nominal system voltage	U _{sys}	12V	12V	24V
full charge voltage	U _{ct}	14.1V	14.1V	28.2V
Load disconnect voltage	U _{load off}	11.0V	11.0V	22V
load reconnect voltage	U _{load on}	12.5V	12.5V	25V
maximum input voltage	U _{INmax}	27V	27V	48V
maximum solar module current	I _{Kmax}	8A	16A	
maximum load current	I _{load max}	8A	12A	
quiescent current (LED off)	I _V	≤ 3mA		
operating temperature range	TA	-15...50°C		
max. admissible humidity		75 %		
ingress protection of enclosure		IP 65, splash proof		
case bottom		plastic	aluminium	
case cover		clear plastic cover		
connecting clamps		M4 screw		
cable glands		1x PG9, 3x PG16		
overall dimensions		175 x 110 x 60mm		
weight incl. accessories		470g	670g	

Also available are on request models with 12A and 20A module current. The max. continuous load current is than 12A.

