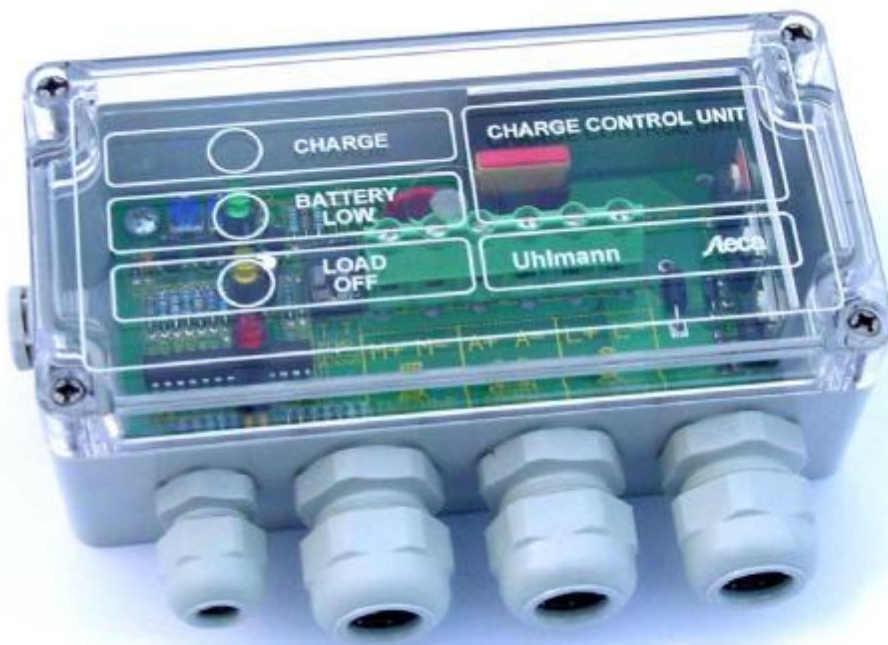


SLR2008/2016/4005/4010

analog charge controller

- [12, 24, 48 Volt system voltage
- [8/16 or 5/10A module and load current
- [3 LED displays



- [protected against deep discharge and overload
- [temperature compensation optional
- [IP65 protected (splash proof)

SLR 2008/2016/4005/4010 solar charge regulators

- * Automatic overcharge protection using the shunt-switch principle
- * High efficient puls width modulation
- * Deep discharge and overload protected
- * Two years warranty

Options :

- * The temperature sensor KTY 881-(6,8 or 10) adjusts the final voltage to the battery temperature by $-4,5 \text{ mV/C/ cell}$.
- * Anticondensation valve DAE7

Technical Data 48V systems

	SLR 4005	SLR 4010
full charge voltage	U _{ct}	56.4V
LED "Batt. empty" on	U _{empty on}	46.0V
LED "Batt. empty" off	U _{empty off}	52.0V
load disconnect voltage	U _{load off}	44.0V
load reconnect voltage	U _{load on}	50.0V
maximum input voltage	U _{INmax}	100V
maximum solar module current	I _{Kmax}	5A
maximum load current	I _{load max}	5A
quiescent current (LED off)	I _V	# 2mA
operating temperature range	T _A	-15...50°C
max. admissable humidity		75 %
ingress protection of enclosure		IP 65
case bottom (cover: clear plastic)	plastic	aluminium
connecting clamps		4mm ²
cable glands	1x PG9, 3x PG16	1x PG9, 3xM25
overall dimensions	168 x 110 x 60mm	175 x 115 x 60mm
weight incl. accessories	470g	670g

Technical data

	SLR 2008	SLR2016			
system voltage switchable	U _{sys}	12V	24V	12V	24V
full charge voltage	U _{final}	14.1V	28.2V	14.1V	28.2V
LED "battery empty" on	U _{empty on}	11.5V	23.0V	11.5V	23.0V
LED "battery empty" off	U _{empty off}	12.5V	25.0V	12.5V	25.0V
load disconnect	U _{Load off}	11.0V	22.0V	11.0V	22.0V
load reconnect	U _{Load on}	12.5V	25.0V	12.5V	25.0V
max. input voltage	U _{INmax}	48V	48V	48V	48V
max. module current	I _{Kmax}	8A		16A	
max. load current	I _{Load max}	8A		16A	
quiescent current (12V, LEDs off)	I _V	3mA			
ambient temperature protection	T _A	-15...50°C, max. humidity 75 %			
case bottom (cover: clear plastic)		IP 65		aluminium	
terminals		plastic		10 mm ²	
cable glands		4mm			
dimensions incl. PGs		1x PG9, 3x PG16		1x PG9, 3x M25x1	
fixing holes		160 x 110 x 60mm		175 x 110 x 60mm	
weight		4* 148x52mm 4mm d		2* 163x50mm 5mm d	
		470 g		670 g	

