High Technology Electronics
Solar Electronics
Battery Charging Systems
Cable Technology

steca

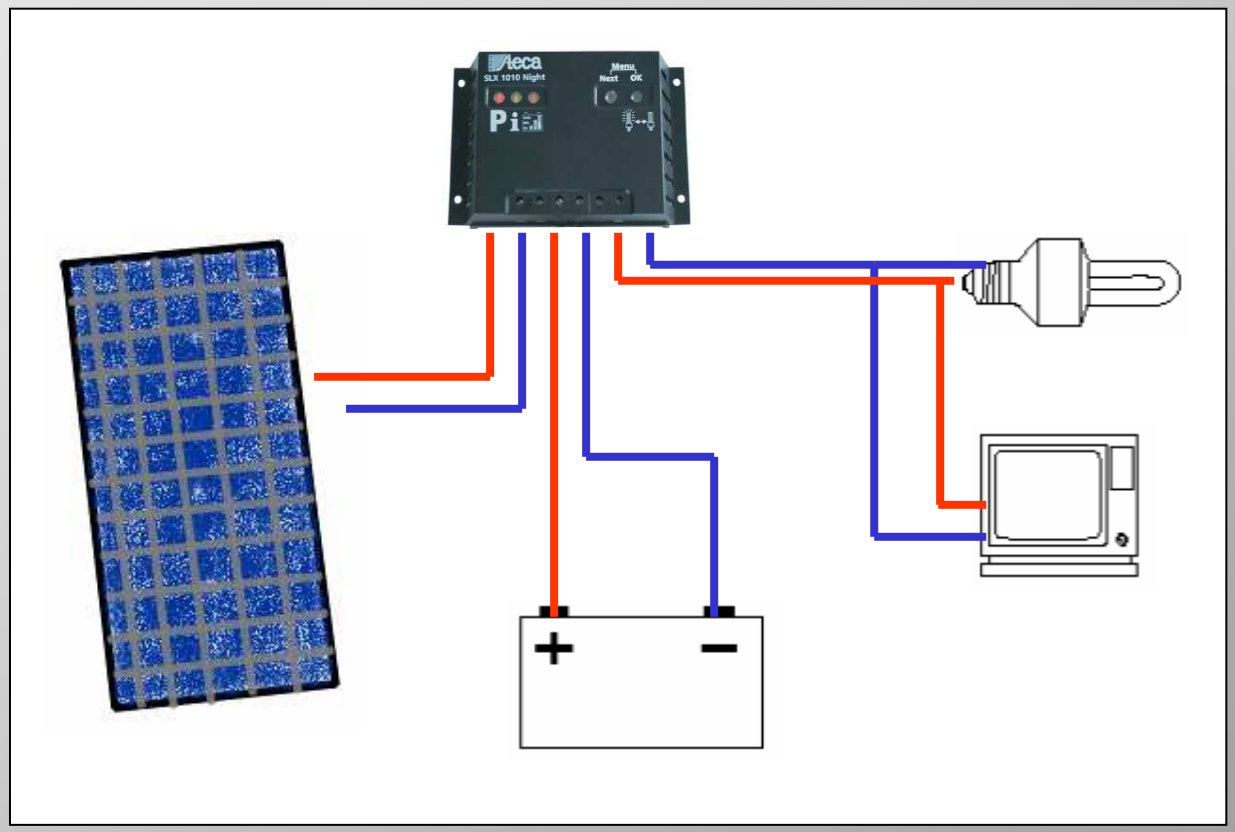
SLX 1010 & SLX1010 Night
Charge controller & street light controller

system configuration:

SLX1010 & SLX1010 Night
charge controller &
street light controller

SLX1010 standard system

Solar power
up to
120 W peak



different loads
up to 10 A

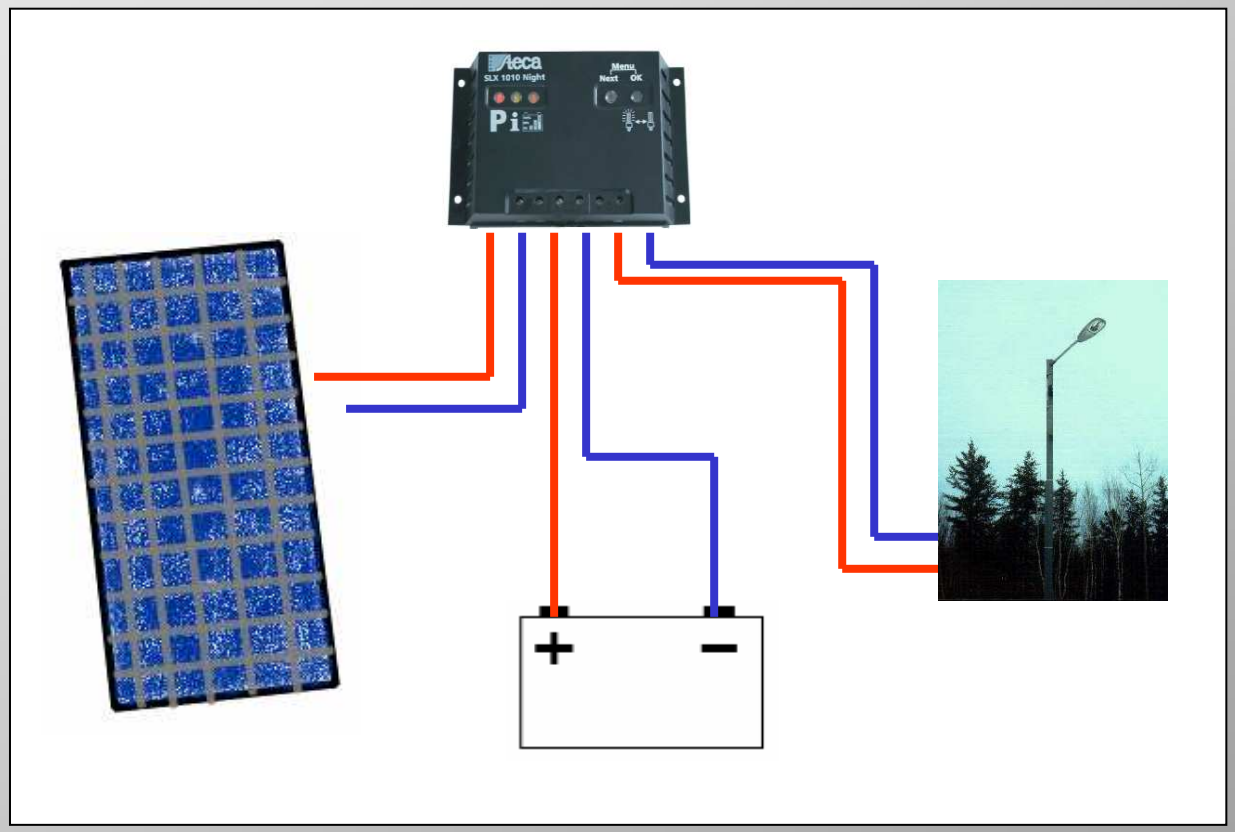
SLX1010 for battery voltage of
12V or 24V

system configuration:

SLX1010 & SLX1010 Night
charge controller &
street light controller

SLX1010 Night for street lights

Solar power
up to
120 W peak



Lamps up to
10 A

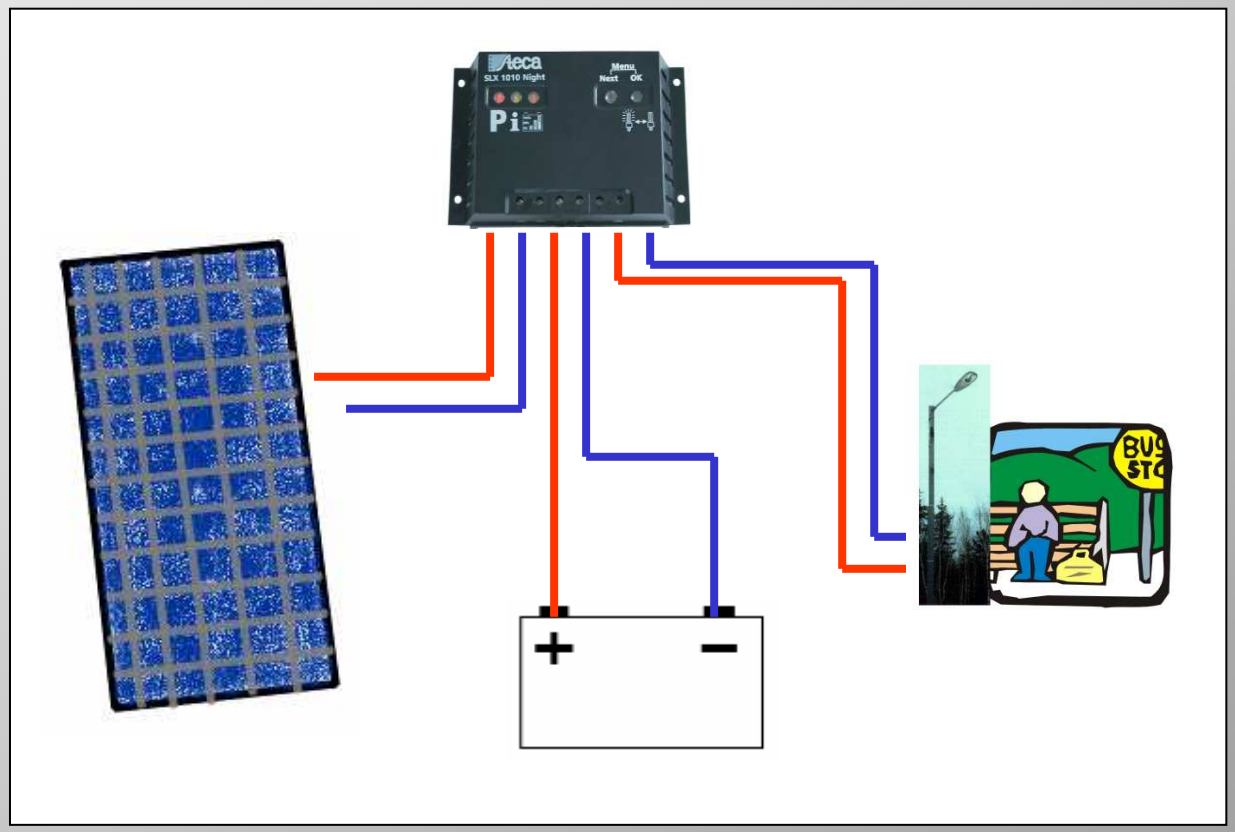
SLX1010 for battery voltage of
12V or 24V

system configuration:

SLX1010 & SLX1010 Night
charge controller &
street light controller

SLX1010 Night for bus stops

Solar power
up to
120 W peak



Lamps up to
10 A
Optional
a switch

SLX1010 for battery voltage of
12V or 24V

technical data:

SLX1010 & SLX1010 Night
charge controller & street light controller

SLX 0606 Night		SLX 1010 Night	
voltage:	12/24V	voltage:	12/24V
max. module current:	6A	max. module current:	10A
max. load current:	6A	max. load current:	10A

operating temperature range:	-25℃...+50℃
connection terminal (fine/single wire):	6 mm^2
weight:	120 g
dimensions:	146x94x28mm
protection degree:	IP 22
charge voltage:	13.7 V
boost charging:	14,4 V / 2h
programmable equal charging:	14.7 or 15.0 V / 2h
disconnection warning:	40 % SOC or 11,5V
disconnection level:	30 % SOC or 11,1V
reconnection level:	50 % SOC or 12,6 V

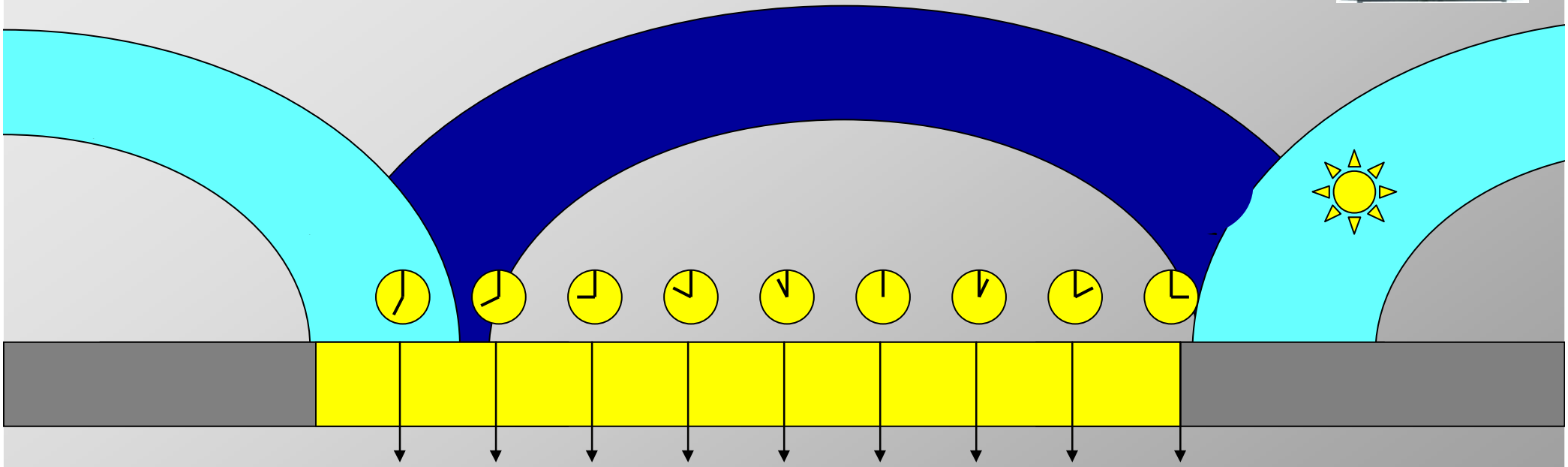
technical features:

SLX1010 & SLX1010 Night
charge controller &
street light controller

SLX 1010 Night controllers are equipped with:

- compensated end of charge voltage
- SOC controlled battery charging
- short cut protection at module input and load
- over voltage protection
- deep discharge warning
- automatically system voltage detect
- programmable battery type Gel or liquid
- programmable equal charge voltage
- programmable control type SOC or voltage
- programmable light during night
- reset to preset configuration
- short light switch function
- programmable switch off time
- programmable switch on time

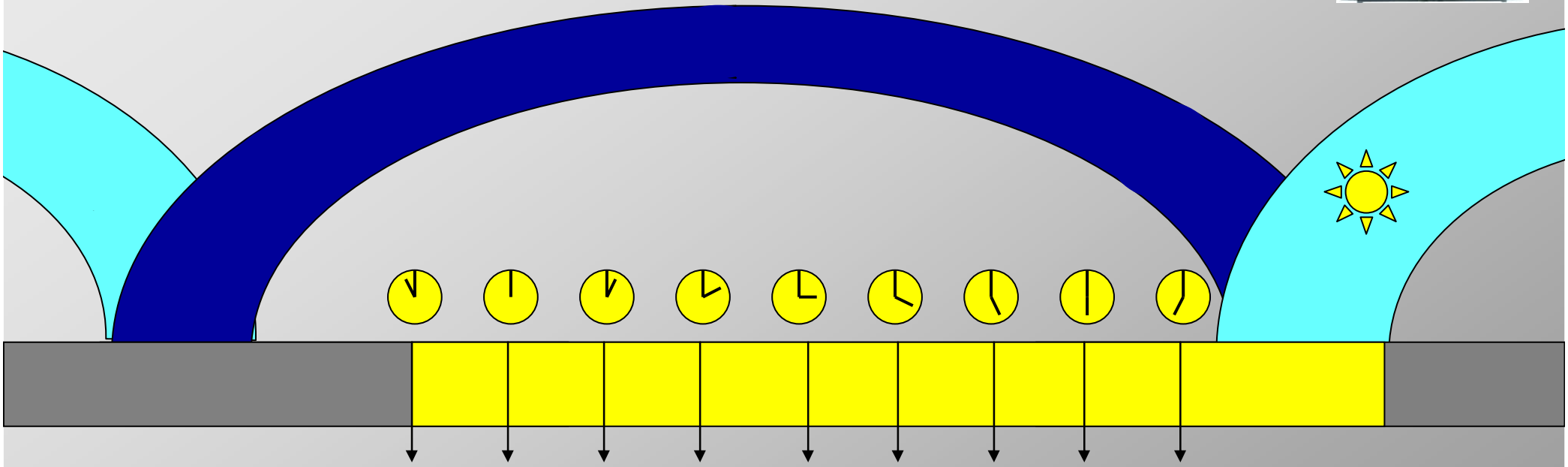
Nightlight-function : Switch Off Time Selectable:



Switch on at dusk

Switch off at time

Nightlight-function : Switch On Time Selectable



Switch on at time

Switch off at dawn

circuit board and connection:

SLX1010 & SLX1010 Night
charge controller &
street light controller

two keys for programming and set up

3 LEDs for detailed information

key for manual Load off / on

big terminals for module, battery and load

circuit board and connection:

SLX1010 & SLX1010 Night
charge controller & street light controller

modern SMD technology and computer controlled assembling

double sided printed circuit board

inbuilt self test routine

Signal measurment

new ATONIC III microprocessor

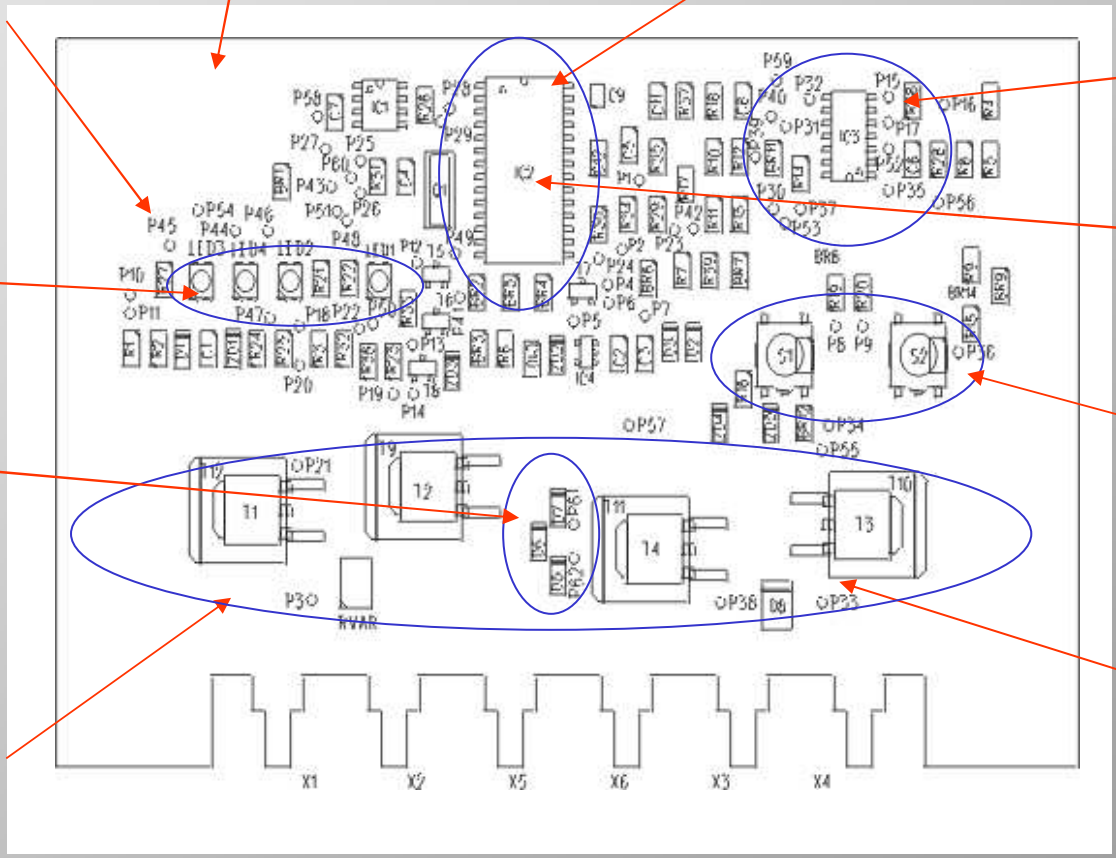
LEDs

Temperature sensor

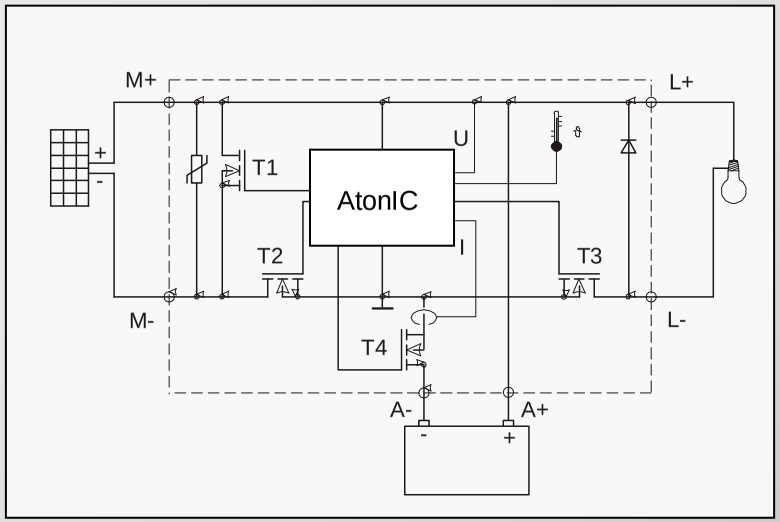
programming switches

high quality Power-Mosfets for high efficiency

electronic protection against shortage

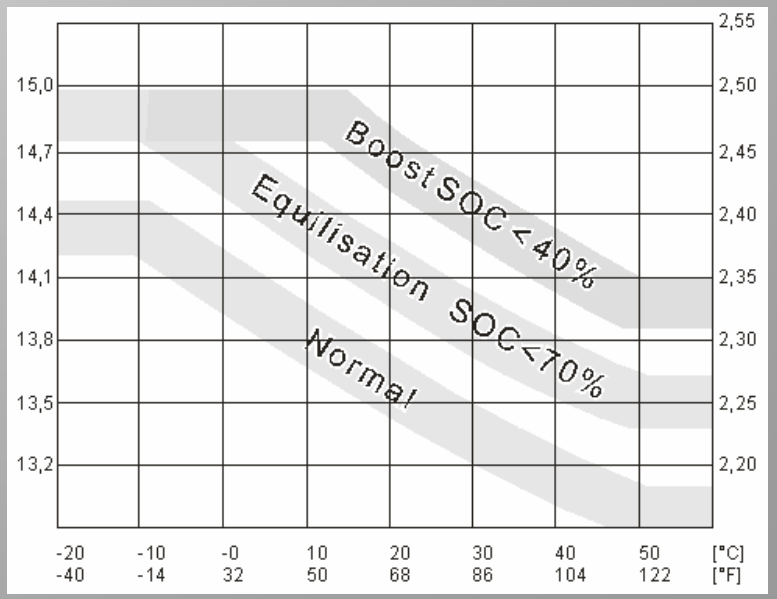


operating principles:

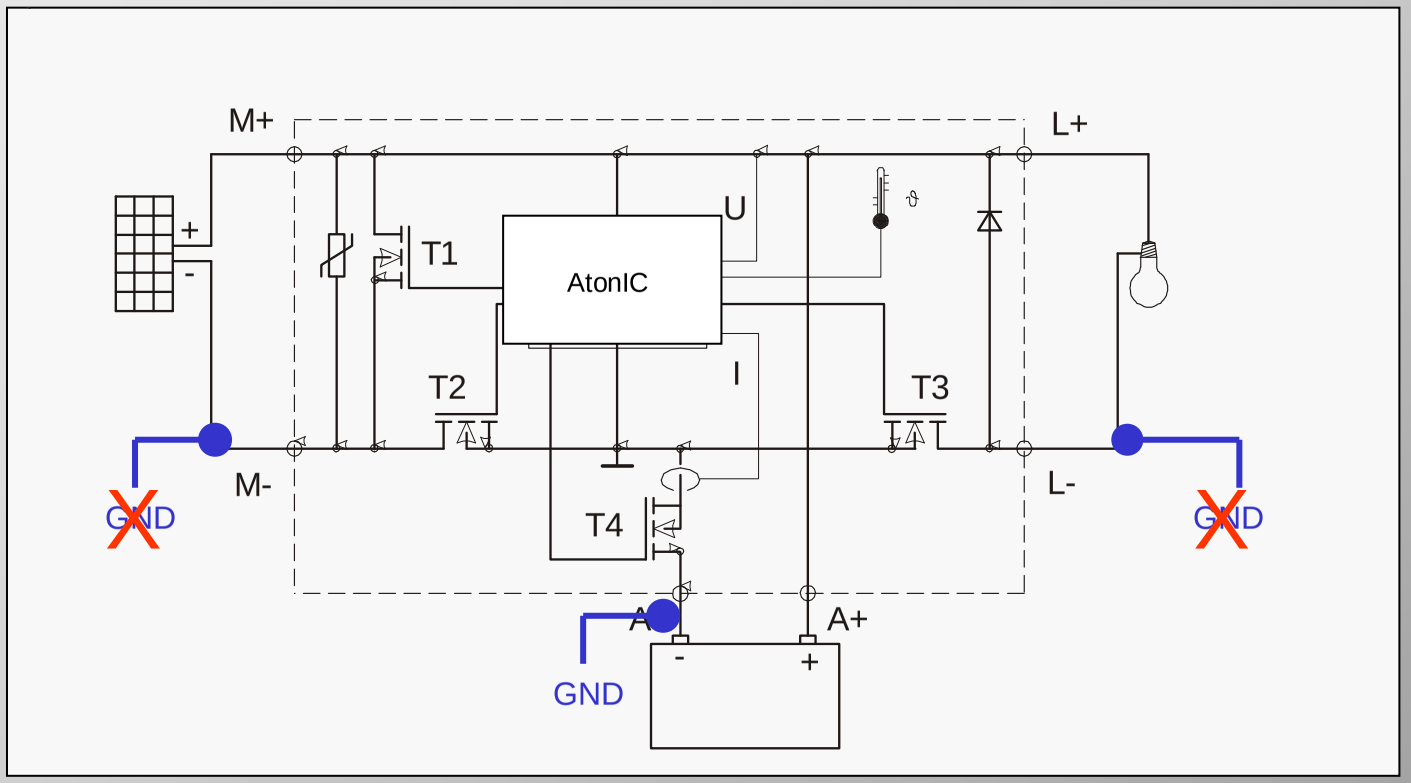


The SLX is a PWM controlled hybrid shunt regulator,
which charges the battery with a I/U characteristic.
With its unique algorithm it is able to learn the “real” State Of Charge (SOC) of the used battery.

Depending on the calculated SOC, the regulator chooses the best charging mode for a fast and effective charging.
SOC controlled deep discharge protection protects the battery from worse conditions.



installation:



For correct installation first connect the battery then the modules and then the load.

Positive grounding is possible at each point.

Negative grounding must be only done at a single point.

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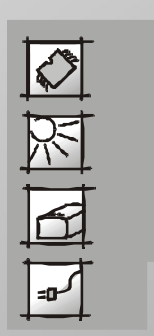

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