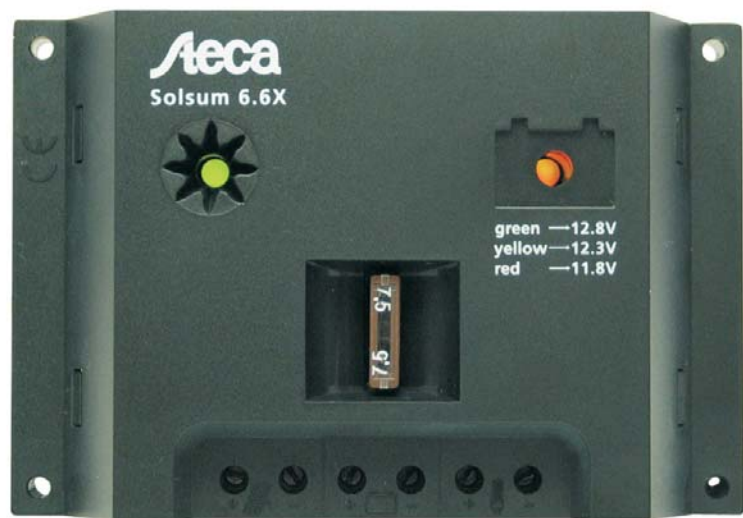


Solsum 5.0 / 6.6 / 8.0 / 8.8

New: Certified for World Bank Projects
New: Additional Electronic Fuse
Proof Against Operating Errors
LED-Voltage Display



Temperature Compensated Overcharge Protection
Temperature Compensated Cycle Charging
Overdischarge Protection
Overvoltage Protection
12/24 V Systems

Atonic
inside
CE



Our newest, and fourth, generation of solar charge controllers sets new standards in solar technology. For the first time a solar charge controller is offered in the market which is equipped with an integrated circuit (ASIC) specially designed for solar charging. This integrated circuit, called Atonic, provides a charge controller with new functions. Atonic is more than protective device for your battery, and contains the most recent and innovative technology. Overcharge protection is provided by a pulse-with-modulated shunt controller which guarantees quick and gentle charging of the battery (characteristic IV curve).

Wear-resistant MOSFET transistors are used for the overdischarge protection in this charge controllers, whereby a maintenance-free operation with an extremely long product life is ensured. Absolutely new in this price class is a cycle charging, boost charging and a temperature compensation which are regularly integrated in these charge controllers. An LED colour display gives information about voltage of the accumulator.

Solsum Charge Controllers set new Standards in this Price and Power Class!

Safety Features:

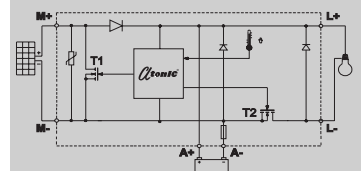
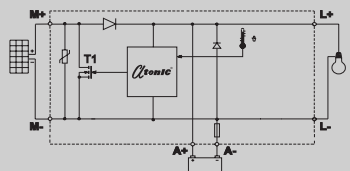
- Overvoltage protection by integrated varistor
- Wrong polarity protection at Battery and Module
- Proof against operation errors
- Built-in fuse
- Electronically short circuit protected
- Voltage-display by changing colour
 - red 11,8 V
 - yellow to red-yellow 12,3 V
 - green 12,8 V
- Low voltage disconnection LVD

Charging Functions:

- Shunt regulator - fast and gentle charging
- Time-delayed overdischarge protection
- Temperature compensation by built-in sensor
- Automatic voltage adaption
- Cycle charging
- Boost charging
- Schottky diode
- MOSFET switch
- LED- display of charging function

Technical Data:

	Solsum 5.0	Solsum 8.0	Solsum 6.6	Solsum 8.8
Max.Charge Current at 50° C	5 A	8 A	6 A	8 A
Load Current at 50° C	without LVD	without LVD	6 A	8 A
Fuse	6.3	10	6.3	10
Connection Terminal (single/fine wire)	2,5 / 4 mm ²	2,5 / 4 mm ²	2,5 / 4 mm ²	2,5 / 4 mm ²
Weight	108 g	110 g	110 g	112 g
Protection	IP 22	IP 22	IP 22	IP 22
Dimensions	85x98x34 mm	85x98x34 mm	85x98x34 mm	85x98x34 mm
Ambient Temperature	- 25° C bis 50° C	- 25° C bis 50° C	- 25° C bis 50° C	- 25° C bis 50° C
System Voltage	12/24 V	12/24 V	12/24 V	12/24 V
For 24 V Systems voltages are to be doubled!				



For a detailed description please see the AtonIC data sheet.

AtonIC® is a registered trademark of Steca GmbH.

*1) Athon was an Egyptian god called: "Master of the Sun"

Solarix, AtonIC, the LED colour display and the hybrid control system, G93 17 097.1 and G 93 17 338.5 are both registered under German patent and Trade Name Office.