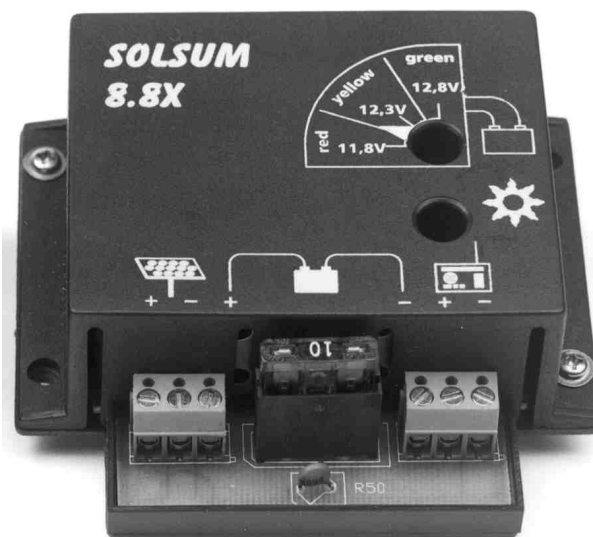


# Solsum 6/6 and 8/8

Solar Charge Controller

- ✓ Automatic Voltage Adaption 12/24 Volt
- ✓ Proof against operation errors
- ✓ internal temperature compensation
- ✓ LED-Displays
- ✓ Protection against deep discharge and overvoltage



CE

The Solsum regulators are designed for small and mid-sized photovoltaic systems. They fulfill the task of overcharge and overdischarge protection. In this field the most up-to-date and innovative technology is used. The overcharge protection operates as a pulse-width-modulated shunt controller and guarantees quick and gentle charging of the accumulator. (characteristic IU-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 the cyclisation regulation (can easily be deactivated) and the temperature compensation which are regularly integrated in these charge controllers. An LED color display informs about voltage of the accumulator or the load disconnect.

\*1) Athon was an Egyptian god called: "Master of the Sun". For a detailed description please see the AtonIC data sheet.

### Safety Features:

- \* Overvoltage protection by integrated varistor
- \* Wrong polarity protection at Accu and Module
- \* Proof against operation errors
- \* Built-in fuse
- \* Voltage-display by changing colour
  - red 11,8 V
  - yellow to red-yellow 12,3 V
  - green 12,8 V

### Charging Functions:

- \* Shunt regulator - fast and gentle charging
- \* Time-delayed overdischarge protection
- \* Temperature compensation by built-in sensor
- \* Automatic voltage adaption
- \* Gassing regulation
- \* Schottky diode
- \* MOSFET switch
- \* LED- display of charging function
- \* LED- display of load disconnect

### Technical Data:

	Solsum 6.6	Solsum 8.8
Max. Charge Current at 50° C	6 A	8 A
Load Current at 50° C	6 A	8 A
For both types:		
Connection Terminal	2,5 mm <sup>2</sup>	
Weight	100 g	
Protection	IP 22	
Dimensions	85x98x34	
System Voltage	12/24 V	
own consumption	4 mA	
Load disconnection	< 11,1 V	
Reconnection	> 12,6 V	
Final Voltage Normal Charge	13,7 V	
Cyclus Charge (final 14,4 V)	< 12,4 V	
Temperature Tracking	- 4 mV/K/cell	

