Solar Charge Controller
8A / 12A / 20A / 30A

Short circuit-, open circuit protection
Internal Temperature Compensation
Determination of State of Charge
Dynamic Overcharge Protection
Intelligent Charging Algorithm

Automatic Voltage Adaption
Operating Status Diagnosis
State of Charge Indication
Overdischarge Protection

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 a protective device for your battery, and contains the most recent and innovative technology. It contains a self-learning algorithm which gives detailed information on the battery's state of charge (SOC). It adjusts itself to the battery's age and capacity. The SOC provides a basis for all control and regulatory functions. This new type of hybrid regulator is much more efficient than conventional series and shunt regulators. The newly introduced displays give information about the SOC, and faults. A combination of electronic and electro-mechanical protection increase the safety of the charge controller.

At the same time Prices for Solarix Charge Controllers are lower than before!

Overcharge Protection:
- Temperature-adjusted SOC and final voltage
- Optimised fast, medium and trickle charging
- The varied charging rate provide complete use of the battery capacity, and maximum life
- The controller adapts itself to 12V or 24V systems automatically on installation

Options:
- 6 character LCD Display
- Long term data collection PC interface
- External temperature sensor

Overdischarge Protection:
- The SOC provides load disconnect
- Warning of imminent load disconnect

Displays:
Two LEDs, fixed/flashing, different colours, provide
- SOC with 10 different colours and warning of load disconnect
- Operation status and faults

Safety Features:
- Protection from overcurrent, overvoltage and overtemperaturer
- Protection from wrong polarity and short circuit
- Electronic overcurrent protection avoids blowing the fuse except in case of wrong polarity
- Extremly low electromagnetic emission

Technical Data:

With LCD	**Solarix Alpha Solarix Zeta**	**Solarix Gamma Solarix Jota**	**Solarix Sigma Solarix Delta**	**Solarix Omega Solarix Theta**
Max. Charge Current at 50° C	8 A	12 A	20 A	30 A
Max. Load Current at 50° C	8 A	12 A	20 A	30 A
Max. admissable current	110 %	110 %	110 %	110 %
Load overcurrent disconnection after 4sec	130 %	130 %	130 %	130 %
Max. self consumption	7 mA	7 mA	7 mA	7 mA
Admissable ambient Temperature	-25°...+50° C	-25°...+50° C	-25°...+50° C	-25°...+50° C
Connection Terminal (fine/single wire)	16/25 mm²	16/25 mm²	16/25 mm²	16/25 mm²
Weight	450 g	450 g	450 g	450 g
Dimensions	188x106x49 mm	188x106x49 mm	188x106x49 mm	188x106x49 mm
Protection	IP 22	IP 22	IP 22	IP 22
System Voltage	12/24 V	12/24 V	12/24 V	12/24 V

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

Solarix, AtonIC, die LED-Farbanzeige und das Hybridsteuerungssystem G93 17 097.1 und G 93 17 338.5 sind beim deutschen Patent- und Markenamt eingetragen.

Technical Alterations can be made without prior notice. Illustrations and descriptions do not claim to be complete. - S03.676 - 01.01