

Features and Technical Specifications

Steca Solarix

2401,4401



The Steca Solarix 2401 and 4401 controllers complete the product range of the solarix Omega 30 Amps controller to 40 Amps solar current, available in 12V, 24V and 48. The loadcurrent is limited to 10 Amps. The charging procedures are based on voltage levels which can be individually adjusted by four buttons behind the front cover.

Features

- Voltage regulation
- PWM shunt battery charging
- Boost-, Equalising-, Float charging
- Automatic load reconnection
- Automatic selection of voltage for 12V/24V
- Temperature compensation
- Positive grounding (or) negative grounding on one terminal
- Field adjustable parameters by four buttons
- RJ45 interface
- Optional external temperature sensors

Displays

- One line LCD displaying the voltage of the battery and all currents

Electronic protection functions

- * High voltage disconnect (HVD)
- Low voltage disconnect (LVD)
- Reverse polarity of solar modules
- Reverse polarity of load & battery
- Short circuit of solar modules
- Short circuit of load
- Over temperature
- Over voltage
- Lightning protection by varistor
- Open circuit battery
- Reverse current at night

| Solar charge controller | 2401 | 4401 |
|---|---------------------------------------|--------|
| System voltage | 12 V (24 V) | 48 V |
| Max. module input short circuit current | 40 A | 40 A |
| Max. load output current | 10 A | 10 A |
| Max. self consumption | 14 mA | |
| End of charge voltage (float) | 13.7 V (27.4 V) | 54.8 V |
| Boost charge voltage; 2 h | 14.4 V (28.8 V) | 57.6 V |
| Equalisation charge (deactivated for gel accu); 2 h | 14.7 V (29.4 V) | 58.8 V |
| Reconnection setpoint (LVR) | 12.6 V (25.2 V) | 50.4 V |
| Deep discharge protection (LVD) | 11.1 V (25.2 V) | 44.4 V |
| Ambient temperature allowed | -10 °C... +60 °C | |
| Terminal size (fine/single wire) | 16mm ² /25 mm ² | |
| Enclosure protection class | IP 22 | |
| Weight | 550 g | |
| Dimensions l x w x h | 188 x 128 x 49 mm | |

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