



Steca Solarix 2401, 4401

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

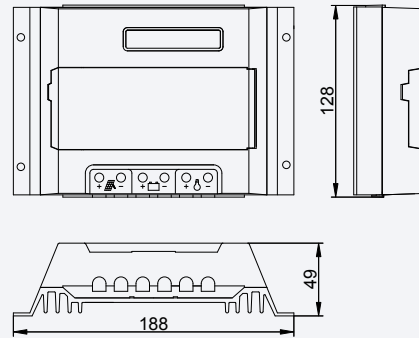
Features

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

Protection functionality

- 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

Technical data



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. own consumption	14 mA		
Programmable	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 (22.2 V)	44.4 V
	Ambient temperature allowed	-10 °C... +60 °C	
Terminal size (fine / single wire)	16 mm ² / 25 mm ²		
Enclosure protection class	IP 22		
Weight	550 g		
Dimensions l x w x h	188 x 128 x 49 mm		

Technical data at 25 °C / 77 °F

Power class 40 A



Displays

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

Certificates

- Conform to European Standards (CE)
- Made in Germany
- Manufactured in a DIN EN ISO 9001:2000 and DIN EN ISO 14001 facility