

Connection terminals



FOX-260 Lithium



Backside



Solar charge regulator FOX-260 Lithium

Comfortable handling, ease of installation and manifold display features are characteristics of the charge regulator FOX-260 Lithium with integrated graphical display. Only quality components with automotive admission and extended temperature range are used.

Product characteristics

- **Solar charge regulator for lithium batteries**
- Overcharge protection 20A is equal to solar modules of 340 Watt 12V (680W @ 24V)
- Discharge protection or night light function adjustable (max. 20A)
- Shut-off threshold via menu adjustable
- System voltage 12V or 24V (automatically)
- Display with backlight (30sec)

The charge regulator FOX-260 Lithium is designed for 20A module current.

The graphical backlit LCD display with very legible lettering shows the actual informations:

- Battery voltage(s) [V]
- charging current [A], - module generated power [A]
- power consumption [A]
- battery charge conditions as bar chart.

For the adjustment of basic settings such as selection of a battery type, various input screens are available.

The optimized loading characteristic achieved in combination with the Hardware PWM-control ensure significantly rapid and gentle charging of the battery. Overcharging are safely prevented. The size of the heat sink is also dimensioned for high environmental temperatures.

	FOX-260 Lithium
Charge of	1 battery bank
Batterietyp	LiFe(Y)PO4
Fuses to B1	1x25A, soldered internally
System voltage	12V/24V, automatic detection,
- Detection 12V	$U_{\text{battery 1}}: 6V \dots 17V \Rightarrow 12V \text{ system}$
- Detection 24V	$U_{\text{battery 1}}: \text{larger } 17V \Rightarrow 24V \text{ system}$
System operating voltage	8,5V ... 35V
Temp. compensation	-20mV/°K @12V, -40mV/°K @24V
PWM frequency	244Hz
Max terminal voltage	50V (open circuit voltage of the modules, U_{oc})
Discharge protection	max. 20A at 25°C
- Shut-off threshold	standard 10,5V, via menu adjustable
- Switch-on/switch-off delay	60 seconds
Nightlight function	max. 20A at 25°C
- Switch on/switch off	no charge current of the module/ charge current present
- Shut-off threshold	standard 11,25V, via menu adjustable
- Time delay	10 minutes
Display	backlit graphic LCD, 30 sec., 128x64 pixel
Terminals	6 VA screws, max. 16mm ²
Power requirement	7,0mA (with backlight 18,0mA, 30sec.)
Voltage drop	0,0 ... 0,27V (between 0 ... 20A)
Environmental conditions	-25°C ... +50°C, non-thawing, IP 22
Storing conditions	-25°C ... +80°C
Weight	300g
Dimensions	128,6 x 106,7 x 53,5mm (LxWxH)

Technical changes reserved. State 12/2020



RANGE OF APPLICATIONS

- For motor boats and sailing yachts
- For camping and caravan
- For mobile current supply
- For industry, shipping and building sector



DIMENSIONS

