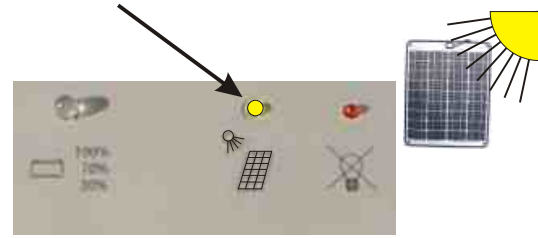


5. reinsert fuse / Sicherung einsetzen

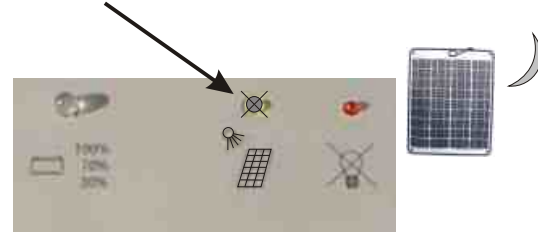


Current flow indicator

By day LED is ON / Bei Tag LED leuchtet



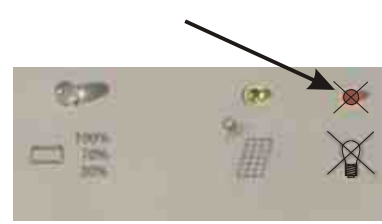
By night LED is OFF / Bei Nacht LED ist AUS



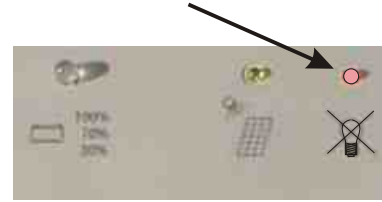
The LED flash when battery is nearly full and regulator reduce the charging current by pulse wide modulation.

Load OFF indicator

Load is ON and LED is OFF / Verbraucher AN und LED ist AUS



Battery empty / Batterie leer:
Load OFF and LED is red / Verbraucher sind AUS und LED ist AN



FOX-200 - Solar Charge Regulator

Technical Datas:

I Solar:	max 8 amp. (140 watt)
I Load	max. 10 A
U System:	12 V
Fuse:	10 A
Voltage lost:	0 V up to 0,6 V
Conditions of use:	-25° - 50°C not thawing / nicht tauend

Features:

- Overcharge protection / Überladeschutz
- Discharge protection / Tiefentladeschutz
- Reverse current protection / Rückstromschutz
- 3 phase charging curve / 3 stufige Ladekennlinie
 - Fast charge / Schnellladung
 - Tripple charge / Ladeerhaltung
 - Gas charging / Gasungsladung
- pulse wide modulation / PWM Modulation
- for gel and lead acid batteries / für Gel- und Blei/Säure Batterien
- over current protection / Überlastschutz
- short circuit protection / Kurzschlußschutz



More information: <http://www.sunware.de>



Installation- Manual



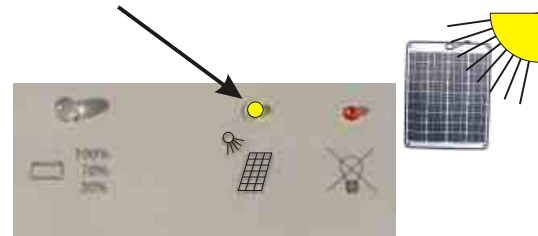
Solar Charge Regulator
FOX-200

5. reinsert fuse / Sicherung einsetzen

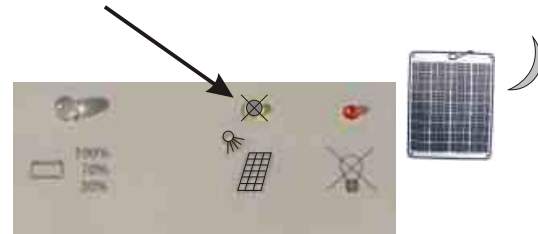


Current flow indicator

By day LED is ON / Bei Tag LED leuchtet



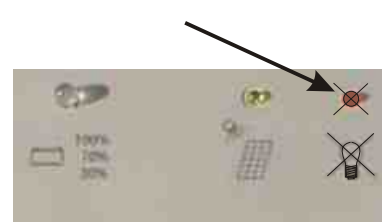
By night LED is OFF / Bei Nacht LED ist AUS



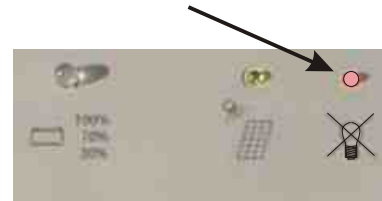
The LED flash when battery is nearly full and regulator reduce the charging current by pulse wide modulation.

Load OFF indicator

Load is ON and LED is OFF / Verbraucher AN und LED ist AUS



Battery empty / Batterie leer:
Load OFF and LED is red / Verbraucher sind AUS und LED ist AN



FOX-200 - Solar Charge Regulator

Technical Datas:

I Solar:	max 8 amp. (140 watt)
I Load	max. 10 A
U System:	12 V
Fuse:	10 A
Voltage lost:	0 V up to 0,6 V
Conditions of use:	-25° - 50°C not thawing / nicht tauend

Features:

- Overcharge protection / Überladeschutz
- Discharge protection / Tiefentladeschutz
- Reverse current protection / Rückstromschutz
- 3 phase charging curve / 3 stufige Ladekennlinie
 - Fast charge / Schnellladung
 - Tripple charge / Ladeerhaltung
 - Gas charging / Gasungsladung
- pulse wide modulation / PWM Modulation
- for gel and lead acid batteries / für Gel- und Blei/Säure Batterien
- over current protection / Überlastschutz
- short circuit protection / Kurzschlußschutz



More information: <http://www.sunware.de>



Installation- Manual



Solar Charge Regulator
FOX-200

FOX-200 frontside view / Frontseite

LED Battery charge condition / Ladezustand
 - green = 71% - 100% fully charged / voll
 - yellow = 31% - 70% normal / normal
 - red = 0% - 30% discharged / entladen

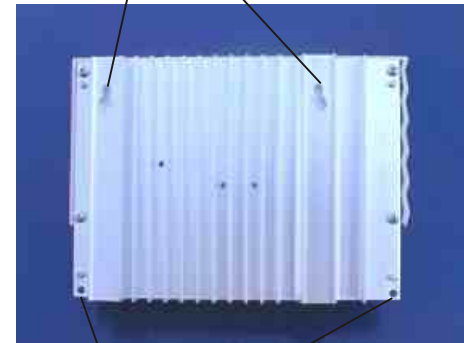
LED charge current flow / Ladestrom Anzeige
 LED battery discharged / Tiefentlade Anzeige



Connector load / Verbraucher Anschluß
 Connector battery / Batteriekabel Anschluß
 Fuse holder (10 A) / Sicherungshalter (10 A)
 Connector solar panel / Anschluß für Solarmodul(e)

FOX-200 backside view / Rückseite

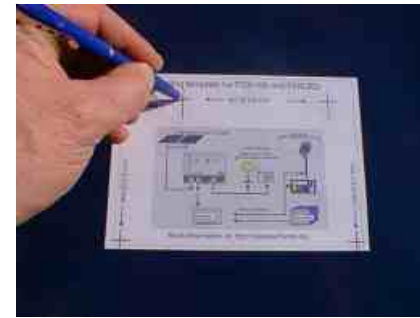
Mounting holes / Bohrlöcher
 drill 2,5 mm x 10 mm



Mounting holes / Bohrlöcher
 drill 2,0 mm x 10 mm

Mechanical-Installation

mark with drilling schedule /
 Bohrlöcher nach Schablone markieren

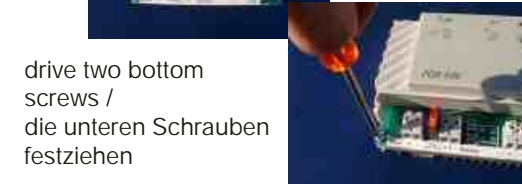


drive first 2 screws /
 2 Schrauben eindrehen



place regulator
 onto screws /
 Regler auf
 Schrauben
 einrasten

drive two bottom
 screws /
 die unteren Schrauben
 festziehen

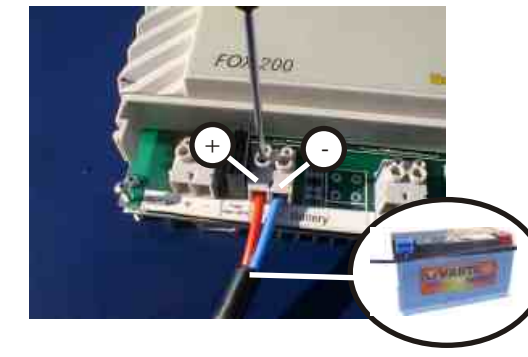


Electrical-Installation

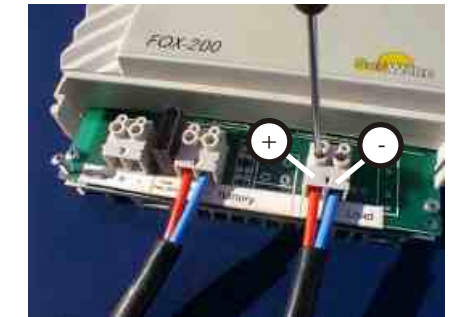
1. Remove fuse / Sicherung entfernen



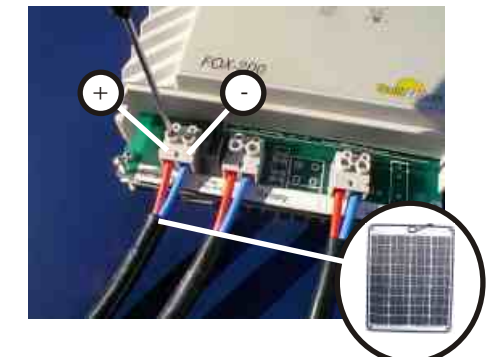
2. connect battery cable /
 Batteriekabel anschließen



3. connect load / Verbraucher anschließen



4. connect solar panel /
 Solarmodul(e) anschließen



FOX-200 frontside view / Frontseite

LED Battery charge condition / Ladezustand
 - green = 71% - 100% fully charged / voll
 - yellow = 31% - 70% normal / normal
 - red = 0% - 30% discharged / entladen

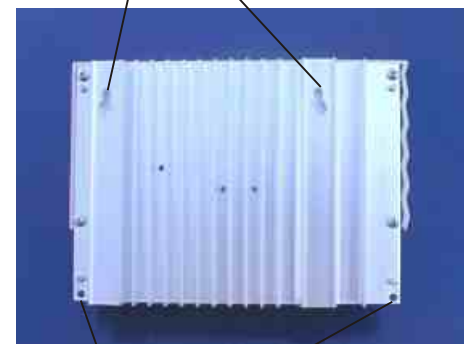
LED charge current flow / Ladestrom Anzeige
 LED battery discharged / Tiefentlade Anzeige



Connector load / Verbraucher Anschluß
 Connector battery / Batteriekabel Anschluß
 Fuse holder (10 A) / Sicherungshalter (10 A)
 Connector solar panel / Anschluß für Solarmodul(e)

FOX-200 backside view / Rückseite

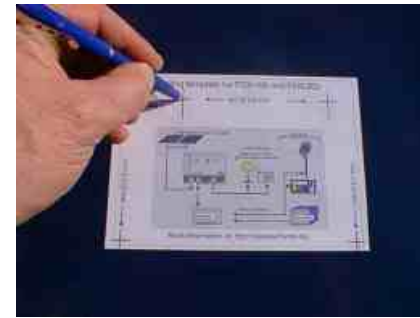
Mounting holes / Bohrlöcher
 drill 2,5 mm x 10 mm



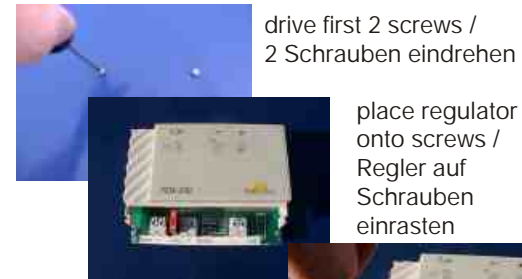
Mounting holes / Bohrlöcher
 drill 2,0 mm x 10 mm

Mechanical-Installation

mark with drilling schedule /
 Bohrlöcher nach Schablone markieren

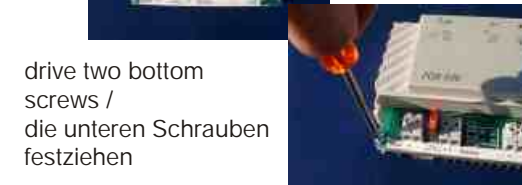


drive first 2 screws /
 2 Schrauben eindrehen



place regulator
 onto screws /
 Regler auf
 Schrauben
 einrasten

drive two bottom
 screws /
 die unteren Schrauben
 festziehen

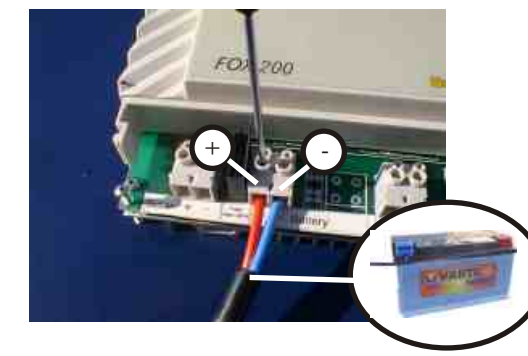


Electrical-Installation

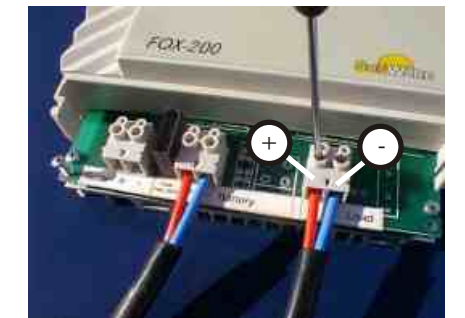
1. Remove fuse / Sicherung entfernen



2. connect battery cable /
 Batteriekabel anschließen



3. connect load / Verbraucher anschließen



4. connect solar panel /
 Solarmodul(e) anschließen

