

# Solar panels with integrated charger

empower  
off-grid solutions

## SOLmini 12V, 24V and 48V

for offgrid electric power supply

Suitable for Pb, PB.gel and AGM batteries

### Function:

- ◆ Intelligent Solar Panel for 12V, 24V or 48V Pb, Pb-gel or AGM battery systems
- ◆ Built-in charge controller with modern PWM charging algorithm
- ◆ Effectively protects the battery from being overcharged
- ◆ Parallel operation with other SOLminis to increase power
- ◆ Connected through a fuse directly to the battery

### Energy anywhere:

- ◆ Agriculture
- ◆ Leisure, Camping & Outdoor
- ◆ Garages (door-openers) power supplies
- ◆ Security technology
- ◆ Golf carts and more

### Solar system SOLmini briefly:

- ◆ Universal, compact and rugged solar power system
- ◆ Modern integrated PWM charge controller inside the junction box
- ◆ Protection class IP65 suitable for the toughest environmental conditions
- ◆ Extremely wide operating temperature range -25 ° C... 85 ° C
- ◆ High integration and reliability
- ◆ Stain resistant tempered solar glass
- ◆ Robust aluminum frame with mounting holes on the backside
- ◆ ENGINEERED AND MADE IN GERMANY



### Technical data SOLmini 12V, 24V and 48V:

Item / Module	SOLmini-5W-12V	SOLmini-15W-12V	SOLmini-i25W-12V	SOLmini-40W-12V
Charge current (max)	0,29A	0,86A	1,45A	ca. 2,3A
Fuse rating (max)	ca. 1 Ampere	ca. 2,5 Ampere	ca. 2,5 Ampere	ca. 4 Ampere
Dimensions ca. (mm)	250 x 236	465 x 255	434 x 552	646 x 460
Weight (ca.)	1000g	1540g	3510g	3800g
Item / Module	SOLmini-20W-24V	SOLmini-50W-24V	SOLmini-80W-24V	SOLmini-75W-48V
Charge current (max)	ca. 0,57A	ca. 1,73A	ca. 2,78A	ca. 1,57A
Fuse rating (max)	ca. 1,6 Ampere	ca. 3 Ampere	ca. 4 Ampere	ca. 3 Ampere
Dimensions ca. (mm)	620 x 278	640 x 680	1000 x 680	1200 x 600
Weight (ca)	2500g	5300	8300	12500g

### Recommended accessories:

- \* Car battery terminals (plug and play)
- \* Cable extensions and T-junctions for easy paralleling (plug and play)
- \* EMPOwerBox with built-in rechargeable battery, USB, battery indicator etc.

Other customized models and solutions on request