



## Intelligent Solar System Controller Maxi ISC 30 Plus

Maxi ISC 30 Plus intelligent solar system controller is the best seller of one of the most used SHS controller. With high power up to 30A they fit to a system up to 480 Wp. The circuit board is completely electronically protected and a large display informs the users about all operating modes with the aid of symbols including voltage, current and state of charge. Large terminals guarantee a simple connection of solar panel, battery and load.



**PRODUCT NAME**  
Maxi ISC 30 Plus

**MODEL NUMBER**  
ISC 3010

**Application:** Solar Residential System, Recreational Vehicles, Marine Boat

### Product Features

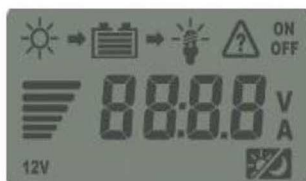
- Microcontroller digital accuracy
- Voltage series regulation
- PWM control
- State of Charge (SoC) advanced technology
- Temperature compensation
- Common positive grounding

### Electronic Protection Functions

- Overcharge protection
- Deep discharge protection
- Reverse polarity protection of load, module and battery
- Automatic electronic fuse
- Short circuit protection of load and module
- Overvoltage protection at module input
- Open circuit protection without battery
- Reverse current protection at night
- Overload protection
- Battery overvoltage shutdown

### Displays

- Graphical LCD Display shows operating states - for operation state of charge, fault messages



### Operation

- Manual load switch

### Certificates

- CE compliant according EN61000-6-1 and EN61000-3
- UL 1741 compliant
- RoHS compliant
- Manufactured according to ISO 9001 and ISO 14001

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### Operating Performance

System Voltage	12 V
Typical Idle Consumption	< 20 mA

### DC input side

Open circuit voltage solar module	<29 V
Max. input current	30 A

### DC output side

Max. load current	30 A
End of charge voltage	13.4 V ... 14.2V
Boost charge voltage	14.4 V
Reconnection voltage (LVR)	12.5 V
Deep discharge protection (LVD)	11 V ..... 11.5 V

### Operating Conditions

Ambient Temperature	-20°C ..... +50°C
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### Fitting and construction

Terminal (fine/single wire)	16 mm <sup>2</sup> / 25 mm <sup>2</sup> - AWG 6 / 4
Degree of protection	IP 32
Dimension (X x Y x Z)	169 x 97 x 44 mm
Weight	350 g

*Technical data at 25°C/77°F*

