



Intelligent Solar System Controller Maxi ISC 30 StarPlus

Maxi ISC 30 StarPlus intelligent solar system controller are the best seller of one of the most used SHS controller. With high power up to 20A at automatically recognized 12 V or 24 V it fits to a system with 450 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 StarPlus

MODEL NUMBER
ISC 3020

Application: Solar Residential System, Recreational Vehicles, Marine Boat

Product Features

- Microcontroller digital accuracy
- Voltage series regulation
- Automatic detection of the voltage
- 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 EN61000-6-3
- UL 1741 compliant
- RoHS compliant
- Manufactured according to ISO 9001 and ISO 14001

MODEL NUMBER

ISC 3020

Operating Performance

System Voltage 12 V (24 V)

Typical Idle Consumption < 20 mA

DC input side

Open circuit voltage solar module <47 V

Max. input current 20 A

DC output side

Max. load current 20 A

End of charge voltage 13.4 V ... 14.2V (26.9 V ... 28.4 V)

Boost charge voltage 14.4 V (28.8 V)

Reconnection voltage (LVR) 12.5 V (25 V)

Deep discharge protection (LVD) 11 V 11.5 V (22 V 23 V)

Operating Conditions

Ambient Temperature -20°C +50°C

Fitting and construction

Terminal (fine/single wire) 16 mm² / 25 mm² - 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

