

**Intelligent Solar System Controller** 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**  
**ELECTRISOL-SA**

**MODEL NUMBER**  
**ELE-PV-3010**

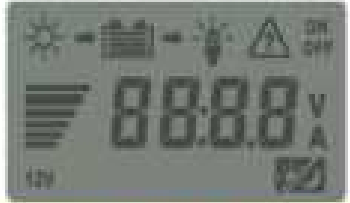
**Application:** Solar Residential System, Recreational Vehicles, Marine Boat

[www.electrilabs.co.za](http://www.electrilabs.co.za)

- 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

**MODEL NUMBER** 3010

**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*

