

Solarex

Solar Charge Controller



MicroLOGIX
Embedded Controls (P) Ltd.

Features

- Digital signal processor(DSP) design
- Rated for up to 50°C operation
- Short circuit, Over load & Reverse polarity Protected
- Accurate PV Current, Load Current, Battery Voltage metering
- Low Voltage Disconnect (LVD)
- CV/CC Charging
- Battery (12V/24V) Auto sensing



SPECIFICATIONS

Input

- Solar panel power : 12V/70 Watts
- Max. Voltage : 36 V
- Battery Charging Current : 15A

Outputs

- Load Current : 15A
- Constant Voltage Charging : 13.8/27.6V
- Output Voltage : Actual Battery Voltage

Environmental

- Operating Temp. : -10°C to 55°C
- Storage Temp. : 85°C
- Humidity : 90% RH Max.
Non-condensing

General

- Display Parameter : Batt Volt, Solar Current,
Load Current
- PWM Frequency : 300Hz
- Efficiency : Above 90%
- Battery Type : Selectable(SMF/Flooded/Gel)
- Connectors : Screw type
- Construction : Closed Frame
- Size (WxDxH) : 146x98x55mm
- Weight : 675 grams

Indications

- Battery Volts : Red
- Solar Current : Red
- Load Current : Red
- Battery Charging : Green
- Battery Full : Green
- Battery Half : Orange
- Battery Low : Red

Charger

- Charger Voltage : 28V DC
- Charger Current Limit : 15Amps
- Battery Low Cutoff : 10.5V DC

Protection

- Input Short Circuit
- Reverse Polarity
- Load Short Circuit
- Battery Charging Current Limit
- Solar Over Current
- Output Over Load
- High Temperature

Note: Features and Specifications can change without prior notice.