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SPCC-45A-12.48V

45 Amp Charge Controller - 12-48V - PWM - Charge Batteries from Solar Panels

Product ID: 104951



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

45 Amp Charge Controller - 12-48V - PWM - Charge Batteries from Solar Panels
The Larson Electronics SPCC-45A-12.48V 3-Function Charge Controller provides reliable solar battery charging, load control or diversion regulation. A single controller can operate in one of the three modes at a time. Multiple controllers can be used to provide multiple functions. The control contains has no internal fuses or mechanical parts to reset or change and features electronic fault protection with automatic recovery. Solar overloads up to 130% of rated current and over-temperature conditions will be tapered down instead of disconnecting the power source.

- Solar, Load, or Diversion Current: 45 Amps
- Voltage Range: 12-48V
- Minimum Voltage: 9V
- Maximum Solar Voltage: 125V
- Highest Reliability, More Power
- Handles solar arrays up to 4kW Communications Capability
- RS-232 allows user to connect to a personal computer for custom settings, data logging, and remote monitoring / control
- Fully Adjustable - User has choice of 7 different digital presets with DIP switch Extensive Electronic Protections
- Fully protected against reverse polarity, short circuit, over-current, high

temperature and over-voltage
- Programmable Lighting Control
- Simple Mechanical Interface
- Better Battery Charging
- 3 LED`s to indicate status, faults, and alarms
- Easy to Reset
- Low Telecom Noise Specifications
- Designed for both solar home systems and professional applications
- UL Listed
- Dimensions: 10.3"-L x 2.8"-H x 5.0"-W


SPCC-45A-12.48V
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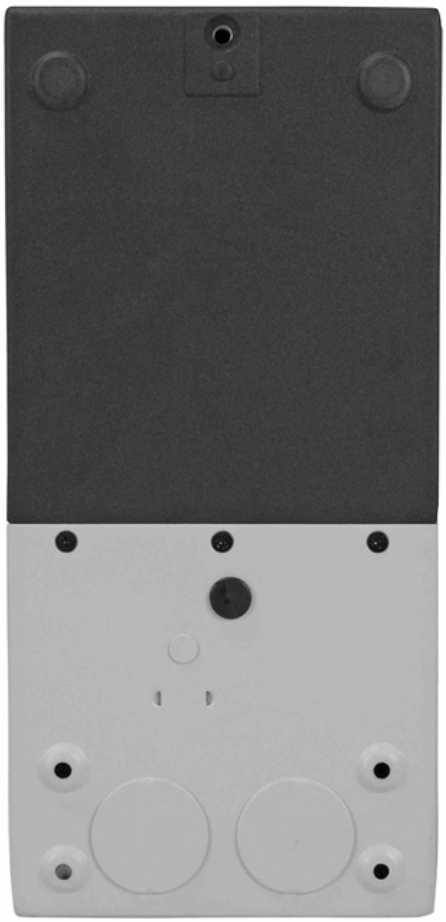
LARSON ELECTRONICS
MISTER
LARSON ELECTRONICS
LARSONELECTRONICS.COM
1-800-369-6671
sales@larsonelectronics.com
WARNING: RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER, NO USER SERVICEABLE PARTS INSID, REFER SERVICING TO QUALIFIED PERSONNEL.
WARNING: WHEN THE PHOTOVOLTAIC ARRAY IS EXPOSED TO LIGH, IT SUPPLIES A DC VOLTAGE TO THIS EQUIPMENT.


PUSH: Reset HOLD: Equalize/LVD Override
LARSON ELECTRONICS
CAUTION: HOT SURFACE
Nominal Voltage: 12-24-48V DC
Serial: 5024533
LARSONELECTRONICS.COM / 1-800-369-6671
SPCC-45A-12.48V
Max. Current Rating: Solar Current 45 A
Load Current 45 A
Range of Operating Temp: -40°C to +45°C
Range of Operating Voltage: 12-48V DC
Minimum Voltage: 9V
Maximum Solar Voltage: 125V
Before Installation Read Instructions
For Indoor Use Only. Disconnect the solar or load before making or breaking the connections to the battery.
WARNING: Batteries generate explosive gases during charging. Provide adequate ventilation and prevent flames and sparks.




Ratings:
Maximum Input Voltage 150 Vdc
Maximum Input Current (dc) 60 A
Maximum Output Current (dc) 60 A
Range of Operating Voltage 10 - 72 Vdc
Maximum Ambient Temperature 45°C
Nominal Voltages 12-24-48 Vdc
Indoor use only
UL1741 INVERTERS, CONVERTERS, AND CONTROLLERS AND INTERCONNECTION SYSTEM EQUIPMENT FOR USE WITH DISTRIBUTED ENERGY SOURCES. FIRST EDITION, REVISION THROUGH AND INCLUDING NOV 7, 2005
CSA-C22.2 No. 107.1-01
Safety of power converters for use in photovoltaic power systems.
EN 62109-1:2010
IEC 62109-1:2010
T 72160063 01
TÜVRheinland
CERTIFIED

Frequently Asked Questions (FAQ)