

## Model: SC-122410

The Exodus SC-122410 Solar Charge Controller is a versatile controller for solar systems, that is designed to charge LiFePO4 (Lithium Iron Phosphate) batteries! This solar controller accepts either 12V/24V input from solar panels and can handle up to 10 Amps. Featuring our proprietary CC/CV (Constant Current/Constant Voltage) circuitry, the solar controller provides a regulated voltage output for charging 12V or 24V LiFePO4 batteries. The solar controller also provides a regulated 12V or 24V output for electrical loads (depending on whether a 12V or 24V battery is used). Solar controllers are required for all solar systems in order to maintain a regulated output voltage to charge batteries and for maintaining a regulating output voltage for loads. **Please note that for any solar setup in which you are using a panel in conjunction with a battery and/or a load a solar charge controller is absolutely necessary. DO NOT plug a panel directly into your battery or your load! This controller does not boost voltage from the solar panel.**



**System Voltage:**

12V or 24V (automatic detection)

**Allowable Range for Input Voltage (from solar panels):**

19V to 25V

**Output Voltage to Batteries:**

LiFePO4: 12V or 24V

**Output Voltage to Loads:**

12V or 24V (depending on battery configuration)

**Rated Charge Current (Current Delivered to Battery):**

Up to 10A

**Rated Load Current:**

Up to 10A

**Batteries Compatible w/ Controller:**

Lithium Iron Phosphate (LiFePO4)

**Operating Temperature Range of the Controller:**

-31 F to 131 F (-35 C to 55 C)

**Nominal Voltage:**

12.8V

**Over Charge Voltage:**

14.6V

**High Recovery Voltage:**

13.6V

**Saturation Voltage:**

12V to 13.6V

**Low Discharge Voltage:**

10.8V

**Low Recover Voltage:**

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**\*\*Exodus recommends using controller specifically designed for use with lithium iron phosphate chemistry\*\***

230 Lynbrook BLVD • Shreveport, Louisiana 71106 Office: 1-844-4-FLEAUX • Fax: 318-603-5440