

Model: SC-122430

The Exodus Model SC-122430 Solar 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 30 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 30A

Rated Load Current:

Up to 30A

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:

12V

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

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