



Model: SC-122420WM

The Exodus SC-122420WM is a versatile 12/24V 20A Solar Charge Controller utilizing multi-stage Modified MPPT technology for solar systems that is designed to charge LiFePO₄ (Lithium Iron Phosphate) batteries. Compared with PWM controllers, this modified MPPT controller can increase the output power of the solar panels by 5% ~ 30%. The output power increases proportionally by various factors, such as the solar panel properties, light intensity, and humidity.

Exodus Power smart technology: The Exodus Power SC-122420WM features our smart technology intelligent chipset that will auto-adjust this solar charge controller to the correct setting. It's literally plug and play. Attach your panel, attach your battery, attach your load and the solar charge controller will take care of the rest! Our product takes all the guesswork out of portable solar. It works so you don't have to.



System Voltage:

12V or 24V MPPT (automatic detection)

Allowable Range for Input Voltage (from solar panels):

12V-24V/24V-40V

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 20A

Rated Load Current:

Up to 20A

Batteries Compatible w/ Controller:

Lithium Iron Phosphate (LiFePO₄)

Operating Temperature Range of the Controller:

-13°F ~ 131°F (-25°C ~ 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 controller specifically designed for use with lithium iron phosphate chemistry****

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