

## PRODUCT OVERVIEW

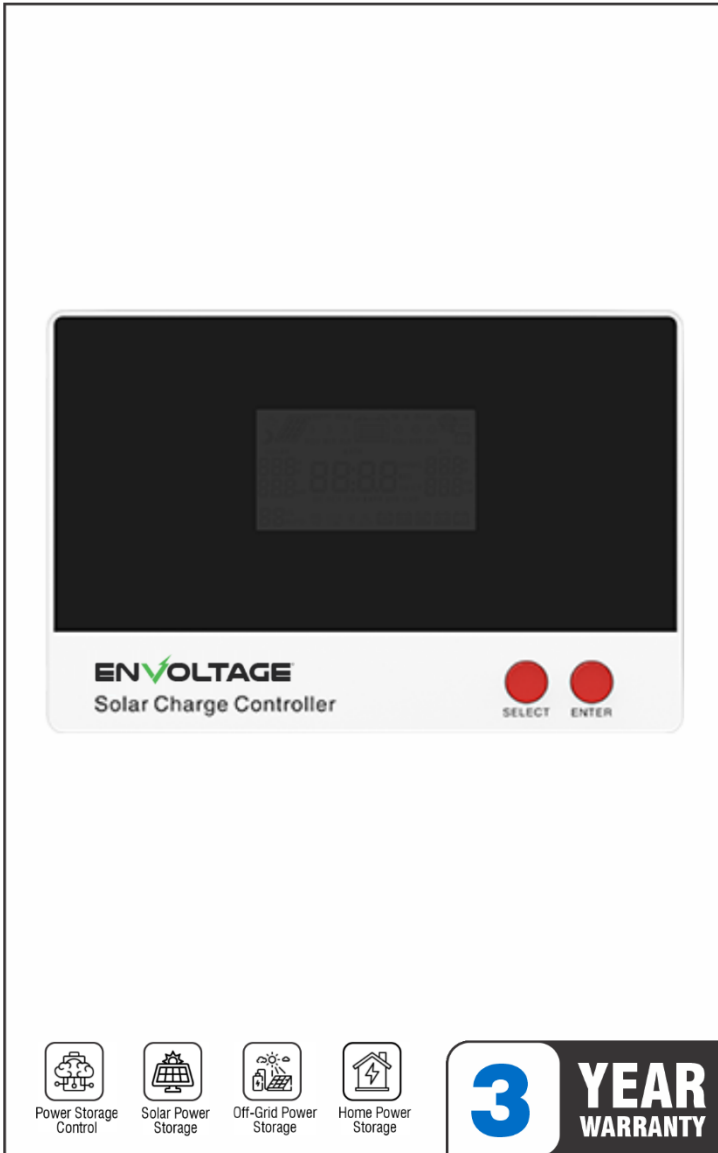
EV-HV Series is a PWM charge controller with LCD display. Typically used in home and off grid power systems.

## FEATURES

- FOR OFF-GRID APPLICATION - Can be connected to both PV, battery and load; multiple load operating modes to meet diverse needs
- ALL-IN-ONE - Supports multiple battery types; Highly integrated, helps you save space and wire
- USER-FRIENDLY - Easy to install and simple to use; with large LCD screen
- RELIABLE - Equipped with dual MOS anti-backflow circuit; supports TTL communication of standard modbus protocol
- SAFETY - Complete multi-stage PWM charging management; 360 degrees of security from hardware to software
- INTELLIGENT - Exclusive Li-ion battery BMS dual activation; supports Bluetooth with mobile APP

## APPLICATIONS

- Off grid solar systems
- Home solar systems



## Product Description

PART#	DESCRIPTION	RATED CURRENT	SYSTEM VOLTAGE	OPERATING VOLTAGE RANGE
EV-HV2430	PWM Controller	30A	12V/24Vdc	55Vdc

## Specifications

MODEL#		EV-HV2430
<b>PV INPUT</b>		
Maximum Voltage of Open Circuit	55Vdc	
Maximum PV Input Power	400W/12V 800W/24V	
<b>BATTERY</b>		
Battery Type	Lead-acid / Li-ion / User Defined	
Rated Battery Voltage	12/24Vdc	
Rated Charging Current	30A	
Charging Mode	PWM charging is the default mode	
<b>LOAD</b>		
Rated Load Current	30A	
Load Working Mode	Light control, Light control + Time control, Manual control (default), Debugging mode, Normal open	
<b>COMMUNICATION</b>		
TTL	Baud rate 9,600kps (adjustable range 1,200 kps~115,200kps)	
<b>GENERAL</b>		
Weight	362g (0.80lb)	
Dimensions	180.26*120.26*19.7mm (0.59*0.39*0.06ft)	
Protection Degree	IP32	
Operating Temperature Range	-35°C ~ +65°C (-31°F~149°F)	

## Wiring Diagram

