



PRODUCT OVERVIEW

EV-SR-HC Series is a PWM charge controller with LCD display and two USB ports. Large-screen LCD display with adjustable charge and discharge parameters that allows you to select multiple battery types. Provides flexibility to set the load for day or night. Typically used in off-grid systems where quality and high reliability is paramount.

FEATURES

- 32-bit high speed master control chip
- Large screen LED display
- Allows selection of multiple battery types
- Flexibility to set load for day or night
- Complete multi-stage PWM charge management
- Built in reverse connection protection, open circuit protection, high temperature protection, over-current/short-circuit protection (optional) – all self-recovering, preventing damage to controller
- Double MOS anti-backflow circuit
- Ultra-low heat generation
- Lithium battery activation available
- Dual USB output, maximum current up to 2A supporting high current charging of iPhone, iPad, Android mobile phones and other devices

APPLICATIONS

- Off grid solar systems

Product Description

PART#	DESCRIPTION	RATED CURRENT	SYSTEM VOLTAGE	OPERATING VOLTAGE RANGE
EV-HC2410	PWM Controller	10A	12V/24V	8-32V
EV-HC2420	PWM Controller	20A	12V/24V	8-32V
EV-HC2430	PWM Controller	30A	12V/24V	8-32V

Specifications

MODEL#	EV-HC2410	EV-HC2420	EV-HC2430
System Voltage	12V/24V		
Battery Operating Voltage Range	8-32V		
Rated Charge Current	10A	20A	30A
Rated Load Current	10A	20A	30A
Maximum PV Input Voltage	At 50V, enables protection and charging stops. Below 45V, charging resumes.		
Charging Mode	The default is PWM charging, b04/b07 can be set to intermittent charging.		
USB Output	5V/2A		
Static Power Consumption	≤10mA		
Operating Temperature	31°F ~ 140°F		
Altitude	≤ 9,842 FT		
IP Rating	IP32		
Product Size	4.72" x 2.95" x 1.33"	5.27" x 3.34" x 1.14"	6.25" x 3.93" x 1.53"
Installation Size	4.27" x 2.26"	4.76" x 2.75"	5.78" x 3.14"
Weight	4.58 oz	6.34 oz	10.22 oz

Product Images

