

Technical Data Sheet for EHCC-A

EverGen® PowerStrap™ Controller



DESCRIPTION

The II-VI EverGen® PowerStrap™ Controller is the power management companion for the II-VI EverGen® PowerStrap™ Generator (EHBMS). This charge controller translates the raw power produced by the PowerStrap™ Generator into a regulated output for charging both 12 and 24 VDC lead acid battery systems. When utilized together, the system functions as a fuel-less, remote power source for commercial, industrial, and oil & gas application.

GENERAL SPECIFICATIONS

Nominal maximum charge voltage (12 Volt System)	14.4 V
Nominal maximum charge voltage (24 Volt System)	28.8 V
Max input voltage (from all PowerStraps)	60 V
Max input current (from all PowerStraps)	5 A
Max output voltage	29 V
Max output power	80 W
Weight	~12.5 lbs
Ambient temperature rating	-40C to 65C
Humidity	100% NC
Enclosure	UL Type 4
Nominal charge efficiency	85%

PRODUCT FEATURES

- Optimized for thermoelectric charge management of lead acid battery chemistries (flooded, gel, AGM)
- 12VDC or 24VDC auto select charger
- Designed for use with the EverGen® PowerStrap™ Generator
- Accommodates up to three EverGen® PowerStrap™ Generators
- Class 1, Division 2, groups A-D certified
- 1 year standard warranty
- UL rated, Type 4 enclosure, designed for outdoor use
- Over voltage protection on inputs and outputs
- Bi-polar protection (when fused)
- On-board status LEDs
- Remote battery temperature correction compatible
- EU RoHS compliant
- EU REACH compliant

ORDERING OPTIONS

Model Number	Description
EHCC-A-01	Analog MPPT Charge Controller – 1 PowerStrap™ Inputs
EHCC-A-02	Analog MPPT Charge Controller – 2 PowerStrap™ Inputs
EHCC-A-03	Analog MPPT Charge Controller – 3 PowerStrap™ Inputs

COMPLIMENTARY PRODUCTS

Model Number	Description
EHBMS-6-V	EverGen® PowerStrap™ Generator, 6" Pipe Diameter, Vertical Configuration
EHBMS-8-V	EverGen® PowerStrap™ Generator, 8" Pipe Diameter, Vertical Configuration
EHBMS-10-V	EverGen® PowerStrap™ Generator, 10" Pipe Diameter, Vertical Configuration
EHBMS-12-V	EverGen® PowerStrap™ Generator, 12" Pipe Diameter, Vertical Configuration
EHBMS-14-V	EverGen® PowerStrap™ Generator, 14" Pipe Diameter, Vertical Configuration

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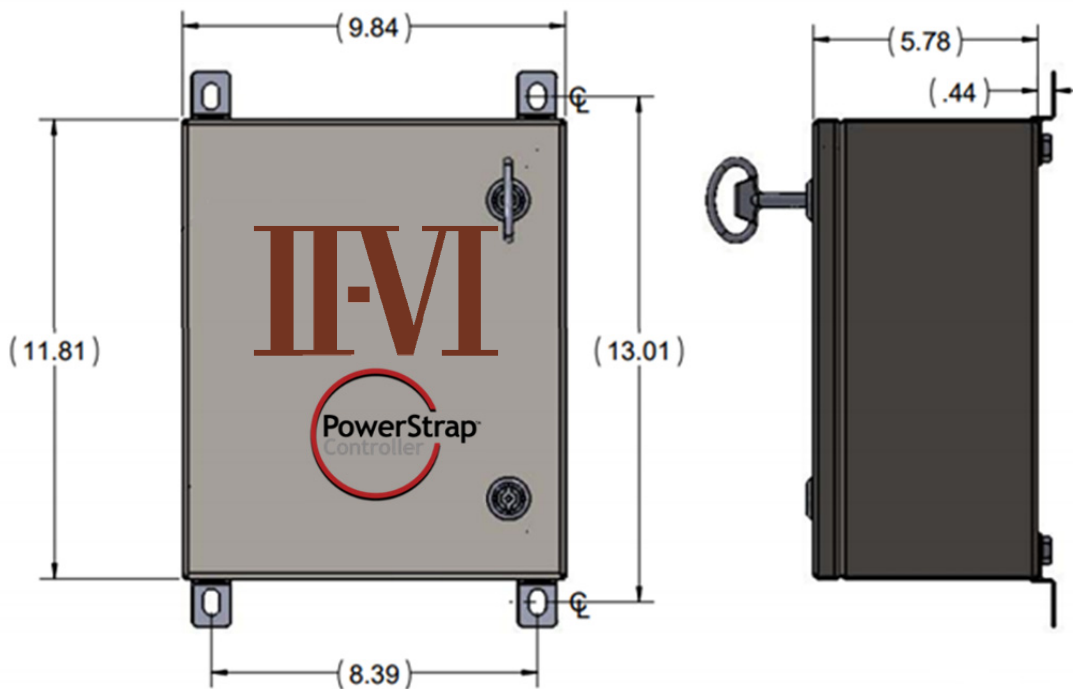
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MECHANICAL CHARACTERISTICS



Dimensions in Inches (IN)

TYPICAL SYSTEM CONNECTIONS

II-VI EverGen® PowerStrap™ Generators

EHCC-A-03

