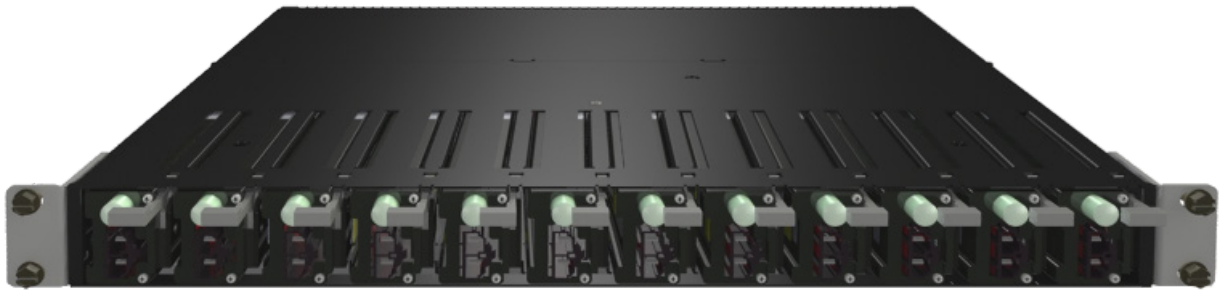
EnVision™ Energy Router

1RU Remote Controllable Distribution Panel



- Compact 1RU design with up to 12 front access distribution positions
- Separate bus level voltage, current, alarms monitoring and individual module output voltage, current and alarms monitoring
- User changeable trip current setting
- Extended operating temperature range up to 149°F (65°C) for deployment in the harshest outdoor environments
- Communication with the EnVision™ Elite and Cordex® HP controller family for advanced site monitoring and controlling

The EnVision™ energy router distribution panel along with the installable EnVision™ smart switch modules has been designed to optimize space and efficiency. It offers unparalleled performance for powering and controlling essential infrastructure with precision and effectiveness.

This compact, 1RU solution provides more than just bus level voltage and current readings, individual module level output voltage and current readings, but it also has controls to toggle each of the output remotely or manually and protection to the load during an overcurrent condition.

The EnVision™ energy router distribution panel seamlessly distributes to multiple devices totaling up to 480 amps and temperatures up to 149°F (65°C).

Configuration adjustments, information monitoring, and controls are a simple process with the EnVision™ Elite and Cordex® HP families of controller systems and are accessible through the front display panel or the web interface.

EnVision™ Energy Router 1RU Remote Controllable Distribution Panel and Module

Consult your Alpha® sales representative for system configurations.

Electrical	
Source Voltage	−38 to −60 VDC
Shelf Capacity	480 A
EnVision™ Smart Switch Module Capacity	40 A continuous/45 A peak output per module
Features	
LEDs	Bicolor status LED switch
Adjustments and Controls	• Remote on/off • Trip current • Shut down timer • Time schedule control
Protection	• Overcurrent (trip) • Short circuit • Local user lock • High voltage shutdown • Low voltage shutdown • Overtemperature shutdown
Mechanical – Module	
Dimensions H × W × D	1.6 × 1.3 × 9.8 in. (41 × 33 × 249 mm)
Net Weight	0.5 lb (0.2 kg)
Output Connector	Molex® Mini-Fit connector for up to 8 AWG (10 mm²) cable
	Front access output connectors
Mechanical – Shelf	
Dimensions H × W × D	1.7 × 17.1 × 16.3 in. (44 × 434.3 × 414 mm)
Net Weight	10 lb (4.5 kg)
Modules per shelf	Up to 12
Mounting	Flush mount
	6-inch offset center mount
CAN Communication	RJ12 center

Environmental	
Operating Temperature	−40 to 149 °F (−40 to 65 °C)
Storage Temperature	−40 to 185 °F (−40 to 85 °C)
Relative Humidity	5 to 95% non-condensing
Elevation	Up to 9,842 ft (3,000 m)
Regulatory Compliance	
Safety	• CAN/CSA-C22.2 No. 62368-1:19 • UL 62368-1 3rd Edition
EMC	• 2014/30/EU EMC Directive • FCC CFR 47 PART 15/B Class A • CAN ICES-003(A)/NMB-003(A) • ETSI 300 386 v1.6.1, ETSI 300 386 v2.1.1 • EN 55032:2015+A11:2020 • EN 61000-6-2:2019 • EN 61000-6-4:2017/A1:2011 • EN 55035:2017+A11:2020

World Headquarters
2366 Bernville Road
Reading, PA 19605 USA
+1 610-208-1991 / +1 800-538-3627

EnerSys EMEA
EH Europe GmbH
Baarerstrasse 18
6300 Zug Switzerland

EnerSys APAC
No. 85, Tuas Avenue 1
Singapore, 639518
+65 6558 7333

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