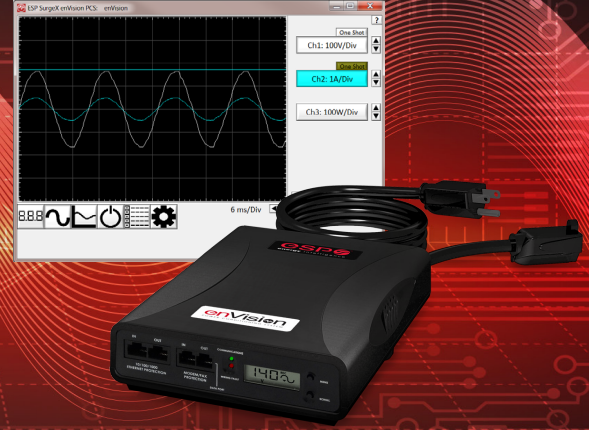


# enVision<sup>®</sup>

POWER CONDITIONING SYSTEM

A complete hardware and software solution to **mitigate, manage, and prevent power quality issues.**



## PROTECTION + DIAGNOSTICS



- EMI / RFI** IMPEDANCE TOLERANT  
EMI / RFI FILTER
- WIRING FAULT DETECTION & PROTECTION**
- Cōuvs** CATASTROPHIC OVER/UNDER  
VOLTAGE SHUTDOWN
- ICE** INRUSH CURRENT ELIMINATION

- Instant analysis of power
- Measures and charts line and neutral to ground voltage, crest and power factor, line frequency metrics
- Provides time stamped reports
- Records power and energy usage
- Provides solutions to power issues that are detected
- Can notify service organizations of problems

Make informed, fast business decisions that can **increase profitability and customer satisfaction with the enVision PCS.**



## Instant analysis and resolution of power issues



The enVision power conditioning system’s analytical software monitors, identifies, analyzes, and offers solutions to resolve power issues that can cause equipment error codes, malfunctions and downtime.









The enVision provides visibility and control into the power conditions at a customer’s site by gathering and analyzing data to facilitate root cause discussions with affected customers. It interprets the data into key metrics and trends, and baselines the factors that influences equipment operation, damage conditions, and inefficiencies. It is the only software that identifies the potential cause of power issues, and offers solutions to resolve them.

It also includes Multi-Stage power protection and conditioning that includes Cat 6 network and ground fault protection to make sure connected equipment is safeguarded when electrical disturbances occur.

The enVision allows service teams to make informed, fast business decisions to increase profitability and customer satisfaction.

### Features:

- ▶ Measures line and neutral to ground voltage, crest factor, power factor, and line frequency metrics
- ▶ 512 time stamped events with specific date and time
- ▶ Historical max./min./avg. data up to 138 days
- ▶ Customizable settings
- ▶ Multi-Stage power protection and conditioning
- ▶ Catastrophic over/under voltage shutdown
- ▶ Inrush current elimination
- ▶ Internal battery
- ▶ Remote access with optional Remote Portal module

Model	Plug Config.	Outlet Config.
EV-12015	120V/15A	5-15R  x3
EV-12020	120V/20A	5-20R  x1 5-15R  x2
EV-20815	208-240V/15A	6-15R  x1
EV-20820	208-240V/20A	6-20R  x1
EV-20830-630	208-240V/30A	6-30R  x1
EV-20830-L630	208-240V/30A	L6-30R  x1
EV-20830-L630-GNS	208-240V/30A	L6-30R  x1
XG-PCS-IC-1	Interface Cord	

# REMOTE PORTAL

**Remotely monitor and diagnose power disturbances in real-time**

**The ability to remotely monitor and diagnose power related disturbances in real-time represents a significant time and cost savings opportunity for service teams, integrators, and organizations of all sizes.**

The Remote Portal brings IP connectivity to ESP's analytical software to remotely monitor and diagnose power issues. It allows technicians to instantly view the history of power events, monitor live data, download time-stamped reports, diagnose disturbances, and reboot/recycle power via any web or mobile device. Enabling them to instantly analyze and react to problems that can cause downtime and harm mission-critical equipment without having to make a costly service call.

The Remote portal is compatible with the ESP enVision and Next Gen Power Conditioning Systems via a standard ethernet cable. It is available with a one or five port Gigabit Network Switch configuration.

**Maximize uptime, performance, and profitability with the ESP Remote Portal module.**



**Features:**

- ▶ IP access to ESP analytical software
- ▶ Remotely monitors power conditions in real-time
- ▶ Browser based GUI
- ▶ 1 or 5 Gigabit Network Switch Configuration

Model	Plug Config.	Outlet Config.
RP-IP	5V, 500mA, USB Mini	(1) RJ45 Server Port
RP-IP-GNS	12V, 1A, Barrel	(1) RJ45 Server Port (5) 10/100/1000 Switch Ports

*Redefining Power Quality*

# enVision<sup>®</sup>

Model no. EV-20820

# DIGITAL QC<sup>®</sup>

Model no. E524ZNT

Voltage	208/240V20A	208/230V
Current	20A	20A
Input Plug Type	6-20P	6-20P
Overload Protection	Electronic Overload Shutdown	None
LEDs	Green: Power at Output Red: Wiring Fault at Supply	Green: Power at Output
LCD	Yes	No
Wiring Fault Detection	Yes	No
Wiring Fault Protection	Yes	No
Network Protection	CAT6	CAT5e
Over Voltage Shutdown	Adjustable from 260V - 300V. Default 280V.	No
Over Voltage Restore	Adjustable from 260 V - 300 V. Default 260V.	N/A
Over Voltage Shutdown Response Time	90ms	N/A
Under Voltage Shutdown	Adjustable from 0V - 220V. Default 160V.	No
Under Voltage Restore	Adjustable from 80V - 220V. Default 190V.	N/A
Under Voltage Shutdown Response Time	200ms	N/A
Inrush Current Elimination	Yes	No
Maximum Load Inrush Energy	1000J	N/A
Zero Voltage Switching	Yes	No
Internal Memory Capacity	512 Power Quality Events w/ Timestamp 138 Day Electrical Parameter History at 30-minutes intervals	N/A
Timestamp Accuracy	±1%	N/A
Voltmeter Accuracy	±2% Typical Product Accuracy	N/A
Ammeter Accuracy	±2% Typical Product Accuracy	N/A
Voltage Protection Rating (VPR)	700V ALL MODES	800V L-L, 500V L-G
Attenuation (Noise Filtering) Normal Mode	>30 dB 80kHz - 50MHz	>30 dB 55kHz - 50MHz
Attenuation (Noise Filtering) Common Mode	>30 dB 200 kHz - 50MHz	>30 dB 150 kHz - 50MHz
Power Measurement Accuracy	±2% Typical Product Accuracy	N/A
Energy Measurement Accuracy	±2% Typical Product Accuracy	N/A