


MADE IN AMERICA


No Tariffs or Supply Chain Issues, Stable Prices


EZ Power Supply


With LED Display for Voltage and Load Current

*Use it once and you will never go back to your
old supply! Guaranteed!!*

Complete Specs 

Product Videos 

Starter Kits 

All purpose Registration: Free
downloads, additional discounts, +
more 

*LED display great
for troubleshooting
power connections
and loads.*



24/7 Free Tech/Application Support

Same day FREE SHIPPING if Ordered by 6 p.m. CST

30W \$99 | 60W \$109 | 90W \$119 | 120W \$229

HERE'S WHAT YOU GET WITH EZ5:

- 3-digit LED display for voltage output
- 2-digit LED display for load current
- Maintenance Timer
- Short circuit, over voltage & over temperature protection
- Allows voltage output to be adjusted
- Programmable current limit
- Monitors life of capacitors and provides an alarm
- Extremely compact: 240W
- Output regulation 1%
- Ripple <100mV
- Great for analog circuitry, Quiet: no interference

SUGGESTED CALL TO ACTIONS

ORDER STARTER KIT

\$229

240W 10 Amps, 30% Discount for first time customers

DOWNLOAD
FEATURES &
SPECIFICATIONS



ORDER FREE KTD (KNOWLEDGE TREASURE DRIVE)

With 360°Views, Selection Guides, FREE Demo Softwares, Video Tutorials, Real-life Programs. You Can Use Part Number Links that Connect you Directly to Web Store to make your purchase.

If you're a New Customer or you've a New Application, our Application Engineers need a little more information. *It'll take you 3 mins or less to fill out the form.* U.S. and Candian Customers only.

Download MADE IN AMERICA Articles:

 **Benefits of Buying Made in America Automation Products that May Not be Readily Apparent**

 **Why Made in America Should Be A Top Priority of Every American?**

EZ Power Supply



A Different kind of Power Supply, 24 VDC, up to 10 Amps (20 Amps coming shortly) in a compact 2" wide DIN mount with Digital Display & Alerts

Digital Read out of voltage & Load Current



Built-in Life Monitor and Alert

Programmable Current Limit



I Love my EZPowerSupply

* Most heard comment from all users

Five Best Features - Feedback from Customers

1. Load Current Read-Out

Too often maintenance engineers are concerned about the DC voltage and current draw from their Switch Mode Power Supply (SMPS) in the control panel. With a typical power supply you will need to have a volt meter and a clamp current meter to find out the load on the SMPS. EZ Power Supply changes this forever with the 2 Digit LED Display that shows both the current load current as well as maximum load current seen by the SMPS.



2. Compact Size

Control panel real-estate is becoming more and more precious these days with the cost of sheet metal rising. The EZ Power Supply, irrespective of output power, fits nicely on a din-rail with a width of only 1.8"

3. Short-Circuit, Over Voltage, and Overtemperature Protection

The EZ Power Supply is NEC, National Electric Code Class 2 certified. NEC is the source of the Class 2 circuit definition which limits the maximum voltage and current. Such Class 2 circuits have reduced requirements regarding wire size, derating factors, overcurrent protection, insulation, wiring methods and installation materials.

4. Adjustable Output Voltage

The EZ Power Supply has the ability to adjust the output voltage via a potentiometer upfront. The 3 digit LED display quickly shows the user the precise output voltage.

5. Cost Effective & Made in USA

The EZ Power Supply with all of its bells and whistles is still priced very attractively in the market. There is no power supply out there that has the same features at the same price point. Furthermore the EZ Power Supply is 100% manufactured in the United States unlike most power supplies available in the market.



EZ Power Supply® First DIN-Mount Programmable Power Supply with Built-in Display/Diagnostics

One you have used EZ Power Supply™, you'll never go back!

At Incredible Prices!!

- 60W - \$89
- 90W - \$99
- 120W - \$199
- 240W - \$299



- ✓ EZ for Control Panel Maintenance
- ✓ EZ Display
- ✓ EZ Monitoring
- ✓ EZ Troubleshooting
- ✓ EZ Programmability
- ✓ EZ Wiring with Class 2

Short-circuit, overvoltage and overtemperature protection

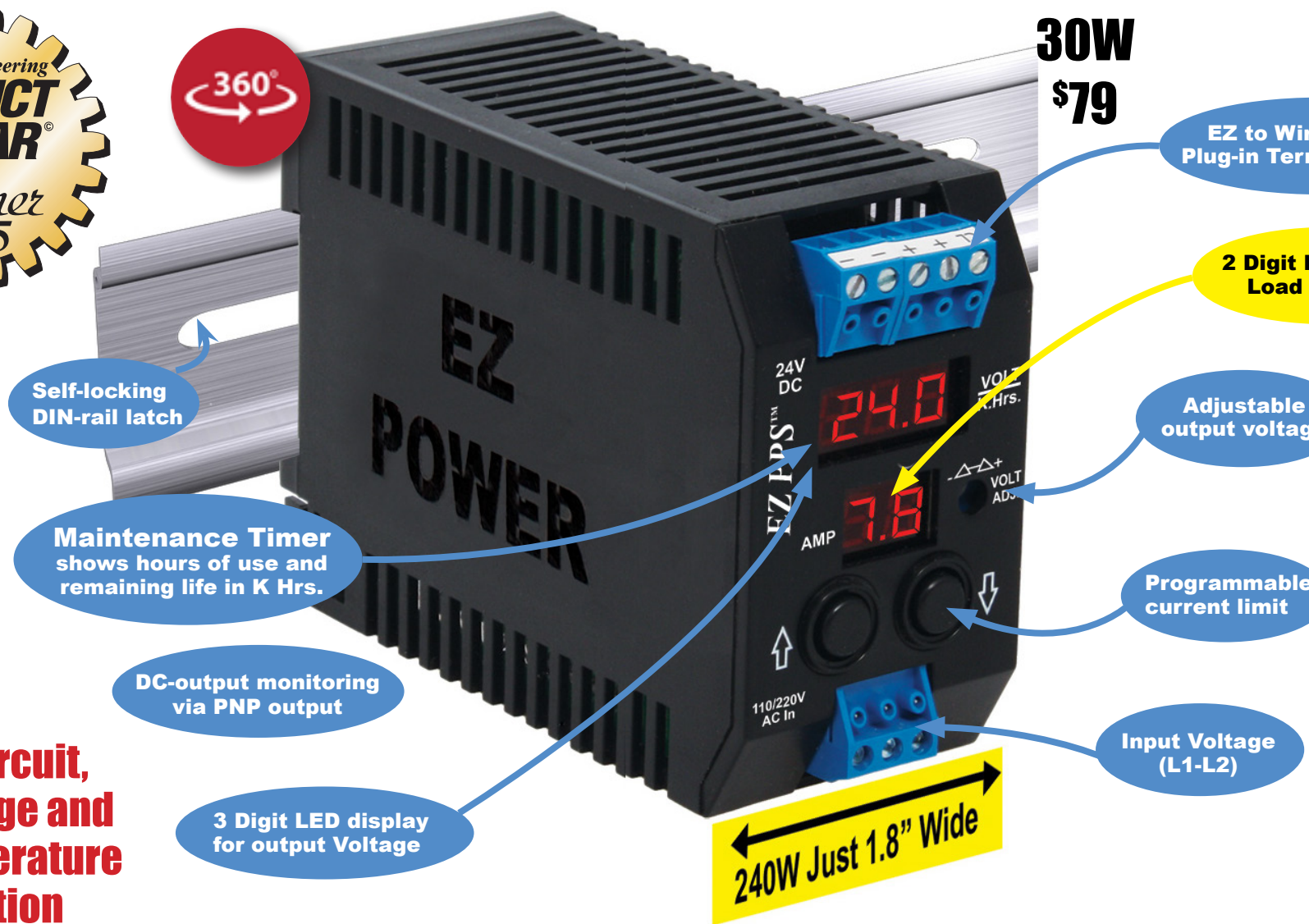
Innovate'n'Save™

What is EZ Power Supply?

Too often maintenance engineers are concerned about the DC voltage and current draw from their Switch Mode Power Supply (SMPS) in the control panel. With a typical power supply you will need to have a volt meter and a clamp current meter to find out the load on the SMPS. EZ Power Supply changes this forever. In addition, all SMPS's have limited life due to the electrolytic capacitors, and dependent on the current draw and the temperature of the power supply. EZ Power Supply keeps track of total number of hours it has been ON and provides an alarm for preventive maintenance and replacement before the power supply dies a sudden death.

Benefits of NEC National Electric Code Class 2

NEC is the source of the Class 2 circuit definition, which limits the max. voltage and current. Such Class 2 circuits have reduced requirements regarding wire size, derating factors, overcurrent protection, insulation, wiring methods and installation materials. Considering Class 2 in a system can be an important factor for reducing the cost and improving the flexibility of the system. Especially when the voltage level of the control circuits is shifted from AC 120V to a DC voltage with 24V <100W, Class 2 would be applicable.



voltage regulation 1% and max. ripple <100mV

**Triple overload and Thermal protection
No internal Fan
Compact Size**

**CE compliance including EN61000-3-2, UL508
UL/CSA / IEC/EN 60950**



EZ Power Supply

A Different kind of Power Supply, 24 VDC, up to 10 Amps (20 Amps coming shortly) in a compact 2" wide DIN mount with Digital Display & Alerts

Digital Read out of voltage & Load Current



Built-in Life Monitor and Alert

Programmable Current Limit



I Love my EZPowerSupply



12 Exceptionally Innovative and Unique Features. DIN mount extremely compact with voltage/current/life span display & alarms

List of Innovative Features

1. Displays Output current
2. Displays Voltage output
3. Allows voltage output to be adjusted
4. Programmable current limit
5. Monitors life of capacitors and provides an alarm
6. Short circuit proof
7. Over voltage protection
8. Over temperature protection
9. Extremely compact: 240W
10. Output regulation 1%
11. Ripple <100mV
12. Great for analog circuitry, Quiet: no interference

Great new tool for troubleshooting 24 VDC power connections/loads

Did you know the capacitors in any SMPS have a limited life span? EZPowerSupply has a built-in life span monitor & alert

Innovative Unique Features

- A Different kind of Power Supply, 24 VDC, up to 10 Amps (20 Amps coming shortly) in a compact 2" wide DIN mount with Digital Display & Alerts.
- Displays Output current
- Displays Voltage output
- Great new tool for troubleshooting 24 VDC power connections/loads
- Allows voltage output to be adjusted
- Programmable current limit
- Monitors life of capacitors and provides an alarm
- Short circuit proof
- Over voltage protection
- Over temperature protection
- 20ms hold over time after input power loss
- Extremely compact: 240W
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- Ripple <100mV
- Great for analog circuitry, Quiet: no interference

EZPower Supply Features & Benefits

A New Frontier in Industrial Switching Power Supplies

EZPowerSupply is no ordinary Power Supply. Tens of thousands of engineers have bought this product. In fact there is not a single engineer who does not fall in love with this EZPowerSupply when you hold it in your hands.

There is a reason for it...

Any senior/experienced engineer knows how challenging it is to pre-calculate the current draw from Power Supply. You are lucky if you can predict it within $\pm 20\%$ under all conditions. With the digital display of EZPowerSupply, no more guessing is needed. Its right there in front of your eyes.

A Great Maintenance Feature and Diagnostic Tool

Control systems are more and more shifting to 24 VDC power. It is not uncommon to have more than 40 loads on this power supply: HMI, PLC, Drive controller, Sensors of all kinds, actuators, valves and it is ever expanding. When the main power was 110 VAC, it was easier to manage this power. We had fuses everywhere. Load can be measured with looping current meters. 24 VDC has changed all that. When the maintenance engineer is faced with the problem of the 24 VDC power shutting down at random intervals, say once a week, how do you troubleshoot? You will have to bring out a voltmeter and a DC Ammeter, disconnect wires one by one and measure the current to a particular load to find the culprit. With the digital current readout of the EZPowerSupply, you just got a friend! You will now be able to quickly and easily learn which valve is overloading or if you just need a bigger power supply.

NO need to carry a voltmeter and an Ammeter!

Extremely Compact

This DIN mount Power Supply is just 1.82" wide (5.7" x 3.3" x 1.82" for 240W) and you can hold it in your hand. It can deliver up to 240 Watt (24 VDC @ 10 Amps) and it will soon be able to deliver 24 VDC @ 20 Amps in the same size. It is UL approved. It is an Engineering Marvel.

Displays Output Current

This is the most important display in the EZPowerSupply. You always know what the total load

is and it is easy to measure the current consumption of any load or branch by simply disconnecting the device and subtracting the difference. You quickly know where the overdraw is and whether it was just overlooked or a real fault in the system.

Displays Voltage

Shows how the Power Supply is doing by displaying voltage it is putting out under No load, partial load or full load.

Voltage Adjustment

EZPowerSupply has an voltage adjustment potentiometer to adjust the voltage from 23 VDC to 27 VDC

Programming Current Limit

EZPowerSupply allows you to set the maximum current to be drawn. This is done through the two program buttons and the 5 digit display. Once the current is exceeded the Power Supply gives an alarm through a digital output.

Life Monitor

All Power Supplies, particularly switch mode SMPS have a life limited by its Electrolytic Capacitors. EZPower Supply monitors the operation of the power supply in hours and gives you a warning before the capacitors reach the end of their lives, preventing it from suddenly dropping out with no warning.

Short Circuit Protection

EZPowerSupply has a short circuit proof feature. It will shut down if there is a short on it output and recover only when the short is removed.

Over Temperature Protection

EZPowerSupply monitors its temperature and shuts down if it gets too hot.

Over Voltage Protection

If the incoming voltage to the EZPowerSupply exceeds its normal AC Power, it has an internal circuit to protect against it and shut down.

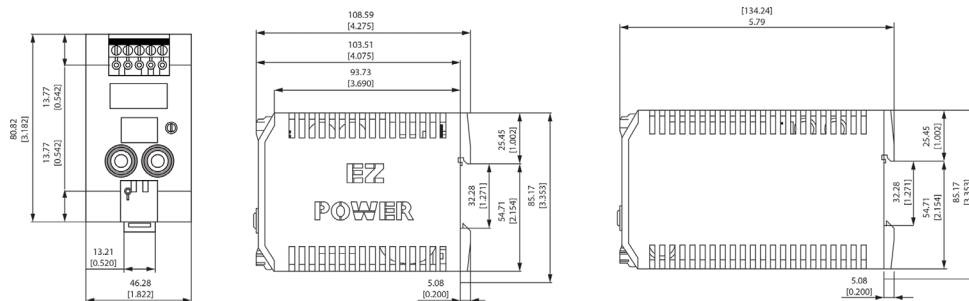
Great Electrical Characteristic

EZPowerSupply has a 1% output current regulation, <100mV ripple and is great for Analog circuiting it powers or in its vicinity due to its low radio frequency interference generated by SMPS.



EZ Power Supply Specifications

Specifications for 30W, 60W, 90W, 120W, and 240W							
Specifications	EZPPS-30W	EZPPS-60W	EZPPS-90W	EZPPS-110-120W	EZPPS-110-240W	EZPPS-230-120W	EZPPS-230-240W
Input Voltage	85 - 264VAC Universal Input Voltage 47-63Hz			90-135VAC (50-60Hz)	100-135VAC (50-60Hz)	180-270VAC (50-60Hz)	200-270VAC 60-60Hz
Typical Input Current at Full Load	0.65A @ 115VAC, 0.35A @ 230VAC	1.15A @ 115VAC, 0.65A @ 230VAC	1.55A @ 115VAC, 0.85A @ 230VAC	1.84A @ 115VAC	3.5A @ 115VAC	1A @ 230VAC	1.8A @ 230VAC
C-curve Circuit Breaker/ Slow Blow Fuse	5 Amps						
Typical Efficiency	85%			90%			
Output Voltage/Current/Watt	Adjustable 23 - 27V, 24VDC/1.25A max, 30W	Adjustable 23 - 27V, 24VDC/2.5A max, 60W	Adjustable 23 - 27V, 24VDC/3.75A max, 90W	Adjustable 23 - 24.5V, 24VDC/5.0A max, 120W	Adjustable 23 - 24.5V, 24VDC/10.0A max, 240W	Adjustable 23 - 24.5V, 24VDC/5.0A max, 120W	Adjustable 23 - 24.5V, 24VDC/10.0A max, 240W
Typical Life/MTBF	MTBF@25°C without taking in to account electrolytic capacitors, operating temperatures and output load is meaningless. Expected Life of EZPPS is 50K - 100K hrs. depending on load and temperature.						
Hold-up Time	10ms min @ 115VAC, 20ms min @ 230VAC			20ms @ 115VAC	20ms @ 115VAC	20ms @ 230VAC	20ms @ 230VAC
Programmable Current Limit	20% - 100% of Full Load with automatic recovery upon short-circuit						
Temperature	Operating: -25°C to 60°C (-13°F to 140°F). Above +60°C(140°F) 2.5% /°C derating up to 70°C (185°F) Storage (non-operating): -25°C to + 85°C max (-13°F to 185°F)			Operating: -25°C to 50°C (-13°F to 122°F). Above 50°C(122°F): 2.5% /°C derating up to 70°C (185°F) Storage (non-operating): -25°C to + 85°C max (-13°F to 185°F)			
Humidity	10% - 95% (non-condensing)						
Output Regulation	1%						
Output Voltage Ripple	<100 mV peak-to-peak						
Over-temperature Protection	Switch off at over-temperature, automatic restart						
Status Indicators	LED Display						
Electrical Noise	Nema ICS 2-230 Showering arc; ANSI C37.90a SWC; Level C Chattering Relay Test (pending)						
Withstand Voltage	1000VDC (1 minute) between power supply input terminal and protective ground						
Insulation Resistance	Over 20M Ohm between power supply input and terminal and protective ground						
Vibration	5 to 55Hz 2G's for 2 hours in X, Y, and Z axis						
Shock	10G for under 12ms in the X,Y, and Z axis						
Enclosure Rating	NEMA 1, IP20						
Enclosure Material	Engineered Plastic						
Mounting	Snap-on with self-locking spring for 35mm DIN rails per EN 50022-35x15/75, or wall mount with bracket						
Connection	Pluggable screw terminals (plugs included) 2 terminals per output						
Wiring	24 -12 AWG / 3.30mm ² max						
Agency Approvals	UL, cUL, CSA, CE (File no. E209355)						



EZ Power Supply®

Ultra Compact Digital DIN-Rail Power Supply with LED Display and Built-in Diagnostics

Features:

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- Displays Voltage output
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- ✓ EZ for Control Panel Maintenance
- ✓ EZ Display
- ✓ EZ Monitoring
- ✓ EZ Troubleshooting
- ✓ EZ Programmability
- ✓ EZ Wiring with NEC Class 2 (Up to 90W)

Model	Function	Price	Del.
EZPPS-30W	24V DC 1.25 A 85 - 264 AC Universal input voltage	\$99	STK
EZPPS-60W	24V DC 2.5 A 85 - 264 AC Universal input voltage	\$109	STK
EZPPS-90W	24V DC 3.75 A 85 - 264 AC Universal input voltage	\$119	STK
EZPPS-110-120W	24V DC 5 A 90-135VAC	\$229	STK
EZPPS-110-240W	24V DC 10 A 100-135VAC	\$329	STK
EZPPS-230-120W	24V DC 5 A 180-270VAC	\$229	STK
EZPPS-230-240W	24V DC 10 A 200-270VAC	\$329	STK

Dimensions and Drawing

