



EZPPS™



pending

Programmable Power Supply with display

Once you have used EZPPS™, you will never go back!!



3 Digit LED Display for Voltage/K Hrs



2 Digit LED Display for Current



Maint. Timer Remaining time 1.2 K Hrs



Programmable Current Limit



Adjustable Voltage Setting



Class 2 for up to 90W models

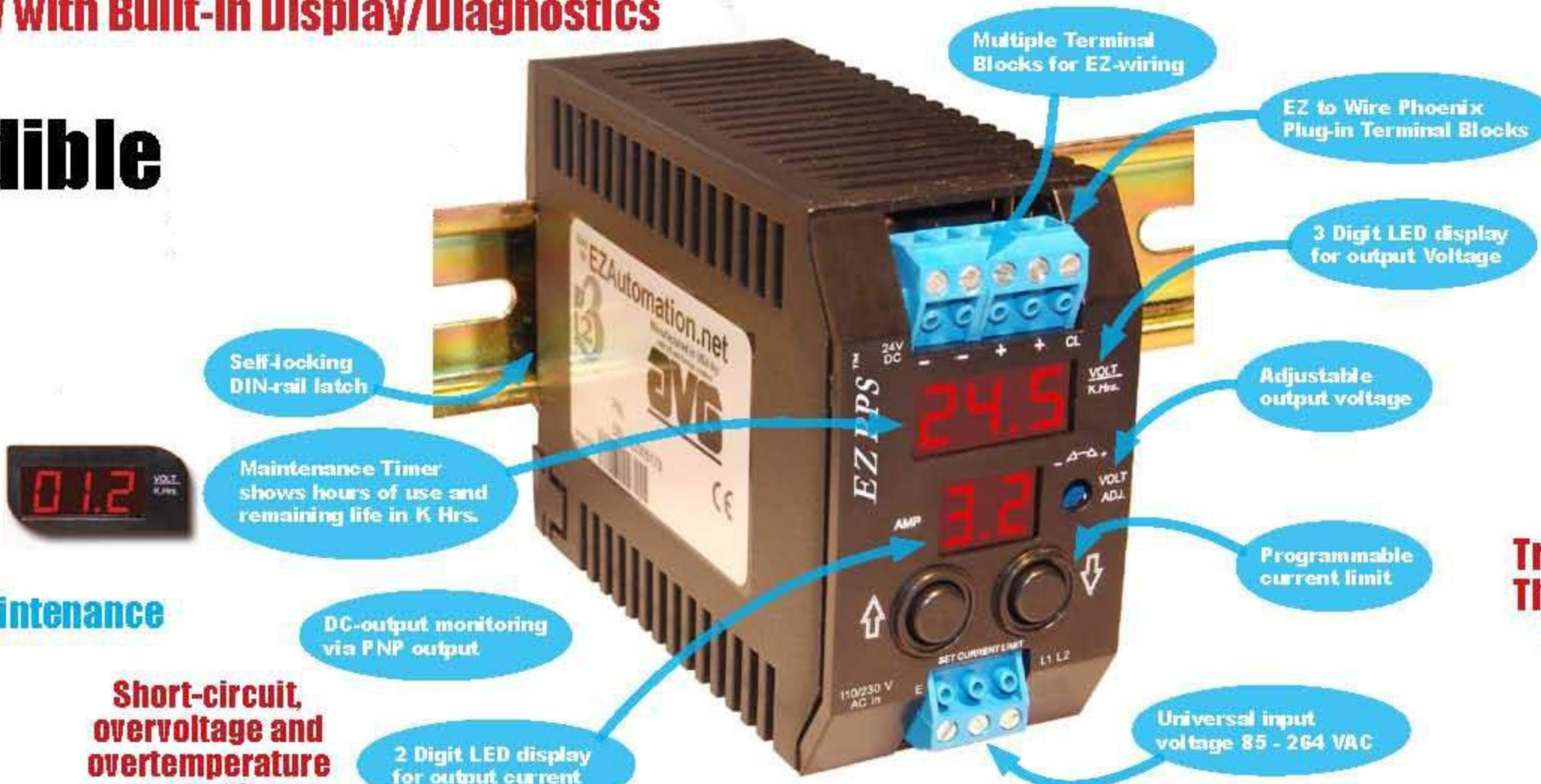
American Innovation Beats China Prices again!

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

At Incredible Prices!!

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

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



voltage regulation 1% and max. ripple <100mV

Triple overload and Thermal protection No internal Fan Compact Size

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Short-circuit, overvoltage and overtemperature protection

Innovate 'n' Save™

What is EZPPS?

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. EZPPS 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. EZPPS 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.

Head to Head Comparison with AutomationDirect.com

	Power Supply, 24VDC, 30W		Power Supply, 24VDC, 60W		Power Supply, 24VDC, 90W	
	EZAutomation EZ PPS	Automation Direct PSC Series	EZAutomation EZ PPS	Automation Direct PSC Series	EZAutomation EZ PPS	Automation Direct PSC Series
Part Number	EZPPS-30W	PSC-24-030	EZPPS-60W	PSC-24-060	EZPPS-90W	PSC-24-090
NEC Class 2	Yes	Yes	Yes	Yes	Yes	Yes
Voltage Display	Yes	No	Yes	No	Yes	No
Current Display	Yes	No	Yes	No	Yes	No
Maintenance Timer	Yes	No	Yes	No	Yes	No
Programmable Current Limit	Yes	No	Yes	No	Yes	No
Size	1.82x3.18x4.25" (24.6 cubic inch)	2.07x2.34x3.52" (17 cubic inch)	1.82x3.18x4.25" (24.6 cubic inch)	2.76x2.34x3.52" (22.73 cubic inch)	1.82x3.18x4.25" (24.6 cubic inch)	4.13x2.34x3.52" (34 cubic inch)

EZ PPS
Prog. Power Supply



Detailed Specifications

Specifications of 30W, 60W, 90W			
Specifications	EZPPS-30W - \$59.99	EZPPS-60W - \$79.99	EZPPS-90W - \$99.99
Input Voltage	100 - 240VAC Universal Input Voltage with minimum 85VAC to maximum 264VAC 4-63Hz		
Typical input current at full load	0.5A @ 115VAC, 0.35A @ 230VAC	1A @ 115VAC, 0.65A @ 230VAC	1.6A @ 115VAC, 1A @ 230VAC
C-curve circuit breaker/slow blow fuse	5 Amps		
Typical Efficiency	85%		
Output Voltage/Current/Watt	Adjustable 23 - 27V, 1.25A max, 30W	Adjustable 23 - 27V, 2.5A max, 60W	Adjustable 23 - 27V, 3.75A max, 90W
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		
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)		
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	NEMA1, 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 / 3.30mm² max		
Agency Approvals	cUL, CSA, CE (pending)		

Dimensions and Drawing

