

UNO-PS/1AC – Single Phase DIN Rail Power Supplies

perle.com/products/industrial-power-supply/uno-1-phase.shtml

Switching Power Supplies for Regulated AC to DC Conversion

- Output Voltages: 5, 12, 15, 24, or 48 V DC
- Output Amps: from 1.25 Amps up to 10 Amps
- Output Watts: from 25 W power up to 240 W
- Single-phase AC Input
- Input Voltage Range: 85 to 264 V AC



UNO Industrial Power Supplies offer a complete range of rugged AC to DC Converters built to meet the high stability and efficiency expectations of industrial, machine automation and process control environments. These Switching (switch mode) Power Supplies ensure a regulated output voltage even in the event of voltage fluctuations in the power supply network. With all required safety certifications to support ITE (Information Technology Equipment), ruggedized packaging, extended operating temperatures, high peak load capabilities and high isolation voltages, UNO Industrial Power Supplies are designed to meet the needs of your industrial application.

Industrial operating temperature of -25°C to $+70^{\circ}\text{C}$

Equipment found in traffic management, oil and gas pipelines, weather tracking, industrial and outdoor applications must function in temperatures that cannot be supported by a commercial power supplies. With an operating temperature of -25°C to $+70^{\circ}\text{C}$, the UNO Industrial Power Supply is ideal for use with equipment subjected to harsh environments and severe temperatures. Some models even guarantee reliable device start-up at -40°C .

High efficiency up to 94% and no load power consumption $<0.3\text{W}$

Compared with other products on the market, the UNO Industrial Power Supply provides excellent energy savings. With a very low no load power consumption (below .3 W) and over 90% efficiency at nominal load, just a small amount of electrical energy is converted into undesired heat energy making this a very ECO friendly power supply.





Ideal application environments for an UNO DIN Rail Power Supply

- automated production process
- industrial control, automation, assembly, and test equipment
- building control, security and surveillance, and climate control systems.
- power countless industrial automation devices such as sensors, controllers and valves

Other reasons to choose an UNO Industrial Power Supply

- DIN Rail mount narrow housing from 22.5 mm to 55 mm wide
- Voltage Isolation input/output: 4 kV AC

- LED indicator for voltage out failure: If the output voltage is below the operational range, the LED turns off.
- Protections: Short-circuit, Overload, Over voltage, Over-temperature
- High MTBF (Mean Time Between Failure) values ensure maximum availability
- IEC Protection Class II Power Supplies

Part Number	Product Name	Input Voltage Range (V AC)	Output Voltage (V DC)	Output Current (Amps)	Output Power (Watts)	Dimensions (W x H x D)	Additional Features	Detailed Technical Specifications
29043748	UNO-PS/1AC/5DC/25W	85 ... 264	5	5	25	22.5 x 90 x 84	UL 1310 NEC Class 2	 View
29043758	UNO-PS/1AC/5DC/40W	85 ... 264	5	8	40	35 x 90 x 84		 View
29029988	UNO-PS/1AC/12DC/30W	85 ... 264	12	2.5	30	22.5 x 90 x 84		 View
29029998	UNO-PS/1AC/12DC/55W	85 ... 264	12	4.6	55.2	35 x 90 x 84		 View

29029978	UNO-PS/1AC/12DC/100W	85 ... 264	12	8.3	99.6	55 x 90 x 84
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View

29030008	UNO-PS/1AC/15DC/30W	85 ... 264	15	2	30	22.5 x 90 x 84	UL 1310 NEC Class 2
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View

29030018	UNO-PS/1AC/15DC/55W	85 ... 264	15	3.7	55.5	35 x 90 x 84
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View

29030028	UNO-PS/1AC/15DC/100W	85 ... 264	15	6.67	100.05	55 x 90 x 84
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View

29029918	UNO-PS/1AC/24DC/30W	85 ... 264	24	1.25	30	22.5 x 90 x 84	-40 °C start-up UL 1310 NEC Class 2
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View

29029928	UNO-PS/1AC/24DC/60W	85 ... 264	24	2.5	60	35 x 90 x 84	-40 °C start-up UL 1310 NEC Class 2	
View								
29029948	UNO-PS/1AC/24DC/90W/C2LPS	85 ... 264	24	3.75	90	55 x 90 x 84	UL 1310 NEC Class 2	
View								
29029938	UNO-PS/1AC/24DC/100W	85 ... 264	24	4.2	100.8	55 x 90 x 84	-40 °C start-up	
View								
29043768	UNO-PS/1AC/24DC/150W	85 ... 264	24	6.25	150	37 x 130 x 125	Output Voltage Range of 24 ... 28 V DC	
View								
29043728	UNO-PS/1AC/24DC/240W	85 ... 264	24	10	240	45 x 130 x 125	Output Voltage Range of 24 ... 28 V DC	
View								

29029958	UNO-PS/1AC/48DC/60W	85 ... 264	48	1.25	60	35 x 90 x 84	UL 1310 NEC Class 2
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29029968	UNO-PS/1AC/48DC/100W	85 ... 264	48	2.1	100.8	55 x 90 x 84	
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