

AC-DC POWER SUPPLIES

MAXIMUM POWER, MINIMUM SIZE, HIGH RELIABILITY

When your design demands uncompromising reliability in the smallest possible package, look no further. Pico Electronics' extensive line of AC-DC Power Supplies delivers **clean, regulated DC** power directly from your universal AC source in an ultra-miniature, **ruggedized** module. These encapsulated, board-mountable units are designed for straightforward integration into applications where space is critical and performance cannot be sacrificed. Simplify your design with a Pico power supply that is built to last.



Military & Defense

These AC-DC Power Supplies operate across an extreme temperature range, with select models upgradeable to **-55°C to +85°C**. The fully encapsulated design and optional screw terminal mounting ensures durability against **shock and vibration**. The ability to handle input frequencies up to **440 Hz** meets military and aerospace power standards.



Industrial Controls

In **factory automation, PLCs, and sensor arrays**, AC-DC Power Supplies provide clean, stable power. The universal AC input (85-265VAC) handles fluctuating plant power with ease. High isolation of up to 4000 VRMS protects sensitive control circuits from noise and transients, while built-in over-current and short-circuit protection ensures system safety and uptime.



Transportation

Powering **on-board control systems, communication equipment, and lighting in rail, marine, and specialty electric vehicles**, the encapsulated design is essential for withstanding the constant shock and vibration of transit. The wide operating temperature range ensures reliable start-up and performance in any climate.



Telecommunications

Powering **remote networking hardware, signal processors and wireless base station subsystems** requires efficiency and reliability. These AC-DC Power Supplies offer up to 50W power in a high-density footprint. Many units require no external components, offering seamless and dependable integration to ensure your critical infrastructure remains continuously online.

Series UWC & TUWC >

- Up to 20W output power
- Single and dual outputs
- Compact size – 3.215" x 2.27"
- Through hole or terminal strip
- Continuous short-circuit protection
- Universal input range – 85-265VAC
- Fixed operating frequency



Series UWD >

- Up to 50W output power
- Single and dual outputs
- Compact half brick size – 2.5" x 2.3"
- Low profile – 0.5" height
- Continuous short-circuit protection
- Universal input range – 85-265VAC
- Fixed operating frequency



Series 50AC >

- Up to 55W output power
- Single, dual and triple outputs
- Low profile size – 5.6" x 4.3" x 0.5"
- 1200V input/output isolation
- Through hole mounting
- Continuous short-circuit protection
- Two input voltage ranges
- Fixed operating frequency
- No external components required



Contact Us

Need a AC-DC solution that doesn't compromise on size or reliability?
Visit our website or contact our team of engineering experts today to discuss your project requirements.

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Certified to
AS9100D
ISO 9001:2015

