



12V DC 24W Laptop-Style Power Supply,  
100–240V AC Input, IP20

- Delivers 24W continuous output at 12V DC, 2A
- Universal 100-240V AC input for multi-region use
- Aluminum alloy housing supports heat dissipation
- IP20 rated for indoor, dry environment installation
- Rated ambient operating range of -30 to 50°C
- Backed by a 1-year warranty

OVERVIEW

The P-LT24 is a compact switching power supply that converts AC mains voltage to regulated 12V DC for laptop and low-voltage device applications. Its universal input range allows use across multiple regions without additional adapters.

The unit accepts 100–240V AC input and delivers 12V DC output at 2A, providing 24W of continuous power. Construction uses an aluminum alloy housing for durability and heat dissipation, with an IP20 rating suited to indoor, dry environments. Rated operating ambient range is -30 to 50°C.

The product carries a 1-year warranty.

SPECIFICATIONS

| ELECTRICAL                    |                         | MECHANICAL |                |
|-------------------------------|-------------------------|------------|----------------|
| Operating Voltage             | 12 V                    | Material   | Aluminum Alloy |
| Wattage                       | 24 W                    |            |                |
| Current Draw                  | 2 A                     |            |                |
| Power Supply Input            | 100 - 240VAC            |            |                |
| Power Supply Output           | 12VDC                   |            |                |
| ENVIRONMENTAL                 |                         | ORDERING   |                |
| IP Rating                     | IP20                    | Warranty   | 1 y            |
| Ambient Operating Temperature | -30–50 °C<br>-22–122 °F |            |                |

APPLICATIONS

- Laptop power adapter replacement
- Low-voltage LED driver applications
- Indoor electronics power supply
- Portable device charging stations

PROVENANCE — REVIEW COPY ONLY

| slug              | value          | source | confidence |
|-------------------|----------------|--------|------------|
| operating_voltage | 12 V           | pdf    | high       |
| wattage           | 24 W           | db     | high       |
| current_draw      | 2 A            | pdf    | high       |
| ps_input          | 100 - 240VAC   | db     | high       |
| ps_output         | 12VDC          | db     | high       |
| material          | Aluminum Alloy | db     | high       |
| ip_rating         | IP20           | db     | high       |
| ambient_temp_c    | -30–50 °C      | db     | high       |
| warranty_years    | 1 y            | db     | high       |

Specifications subject to change without notice.