

Internal AC to DC Power Adapter

This is an internal AC to DC power adapter. The board includes components such as capacitors, diodes, and an integrated circuit.



Overview

High-Efficiency Internal Power Adapter

This compact 18W internal AC to DC power adapter is designed for reliable performance in diverse electronic applications. Engineered for efficiency, it meets Level VI energy standards and features comprehensive protection circuits including short circuit, over-voltage, and over-current safeguards. With a wide operating temperature range and global compatibility, this unit is built for long-term durability and versatile integration.

Electrical Specifications

Energy Efficiency Level

Level VI • CoC 5 • DoE 6 • CEC VI

Maximum Power	18 W
Input Voltage Range	100-240VAC 50/60Hz
Output Voltage Range	5-36V
Output Current Range	0.1-3A

Protection & Safety

Protection Mechanisms

- Short Circuit Protection (SCP)
- Over Current Protection (OCP)
- Over Voltage Protection (OVP)

MTBF	100000 hours
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Environmental

Operating Temperature	-20°C to 50°C
Storage Conditions	-40°C to +70°C, 5-95% RH

Certifications

Certificates & Approvals	UL, GS, CE, EMC, SAA, FCC, CB, PSE, CCC, RoHS, REACH
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Physical Dimensions

Dimensions	69 x 37 x 18 mm
Weight	60 g