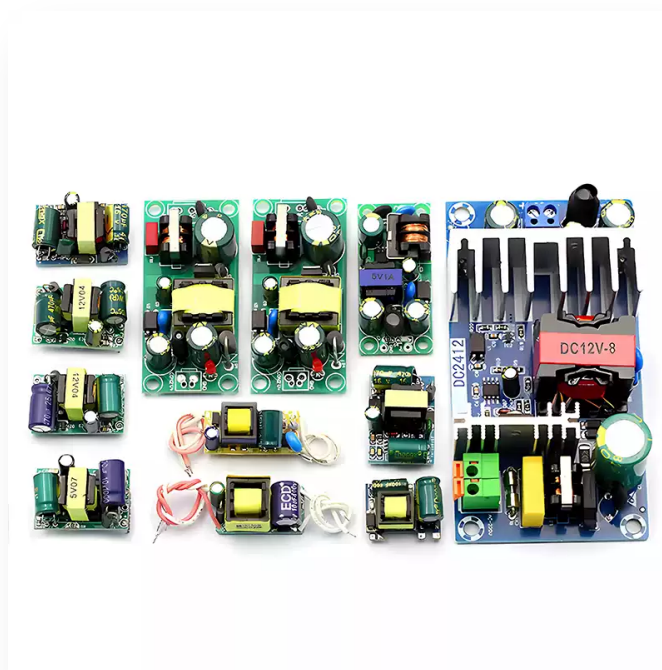


3 W 5 V / 600 mA Isolated AC-DC Power Module

Wide-input compact switching supply with through-hole pins



Product Overview

A compact power-electronics module documented from the supplied archived product page. The specifications below separate confirmed ratings from operating guidance and identify the exact module variant where the source page contains multiple options.

Electrical and Mechanical Specifications

Parameter	Value
Input voltage	55-277 VAC or 70-390 VDC
Output voltage	5 VDC
Output-voltage window	4.9-5.3 V or 4.8-5.2 V, depending on production revision
Maximum output current	600 mA
Maximum output power	3 W
Typical efficiency	Approximately 80%
Output ripple	60 mV
No-load power	<0.05 W
Operating temperature	-20 to +70 °C
Module dimensions	Approximately 23.5 × 16 mm

Key Features

- Wide AC / DC input compatibility
- Isolated regulated 5 V output
- Low no-load power
- Over-voltage, over-temperature, over-current and short-circuit protection

Operating Notes

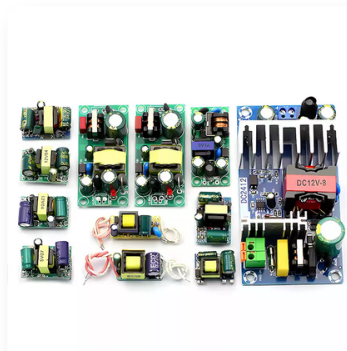
- Hazardous mains voltage is present on the primary side; provide insulation, spacing, fusing and a protective enclosure.
- Do not operate above +70 °C ambient.
- The selected datasheet variant is the 5 V / 600 mA / 3 W pin-header module shown in the saved page.

Application and Connection Guide

APPLICATION & CONNECTION

AC MAINS INPUT

55-277 VAC



LOW-VOLTAGE LOAD

5 V / 600 mA

Verify polarity and configure voltage/current before connecting the load.

Connection Sequence

1. Confirm the input source is within the stated range. 2. Verify input and output polarity. 3. Configure voltage and current limits with the load disconnected. 4. Connect the load or battery. 5. Monitor temperature during initial operation.

KEY PRODUCT ADVANTAGES



1 Wide AC / DC input compatibility

2 Isolated regulated 5 V output

3 Low no-load power

4 Over-voltage, over-temperature, over-current and short-circuit protection