Step-up DC-DC Converter — 108 × 80 × 45 mm Case, 12 V to 24 V at 15 A

Compact 360 W step-up converter for 12 V DC systems: 9–16 V DC input, 24 V DC output at 15 A, in a sealed finned case with a 4-position screw terminal block and mounting flanges at both ends.

KEY FEATURES

- Input **DC 12 V (9–16 V)**
- Output **24 V**, held to ± 0.25 V
- **15 A** — 360 W
- **108 × 80 × 45 mm** sealed extruded case, **0.6–0.7 kg**
- Integrated finned heat sink — natural convection, no fan
- 4-position screw terminal block: INPUT (+) (−), OUTPUT (−) (+)
- Mounting flanges at both ends, two slotted holes per end
- **IP67** — dust-tight, immersion to 1 m for 30 min
- Over-current and over-heating protection, cut-off at 150 °C
- Working temperature **−20 °C to 85 °C**; certified to **CE, FCC and RoHS**

MODEL BUILT IN THIS CASE

Model	Input version	Output current	Output power
12V-24V	12 V (9–16 V)	15 A	360 W

Ordering model = voltage pair + current rating, i.e. **12V-24V 15A**. Output power is the rated output voltage multiplied by the output current. Other voltage pairs of the same series are built in the 66 × 58 × 23 mm, 74 × 74 × 32 mm, 100 × 80 × 38 mm and 100 × 113 × 35 mm cases.

ELECTRICAL SPECIFICATION

Input voltage	DC 12 V (9–16 V)
Output voltage	24 V, held to ± 0.25 V
Output current	15 A
Output power	360 W
Transfer efficiency	90 % typical at rated load
Protection	Over-current, over-heating; cut-off at 150 °C
Working temperature	−20 °C to 85 °C

Ripple and noise, no-load input current and MTBF are not published for this case size — available on request.

MECHANICAL AND COMPLIANCE

Case size (mm)	108 × 80 × 45
Net weight	0.6–0.7 kg
Housing	Sealed extruded aluminium body with integrated finned heat sink
Terminals	4-position screw terminal block — INPUT (+) (−), OUTPUT (−) (+)
Mounting	Bolt-on flanges at both ends, two slotted holes per end
Ingress protection	IP67 — sealed housing, no vents or fan intake
Certification	CE, FCC, RoHS
Warranty	2 years standard, extendable by agreement
Packing	Individual cardboard carton

End face — 4-position screw terminal block: INPUT (+) (−) and OUTPUT (−) (+). Outline 108 × 80 × 45 mm; detailed drawing available on request.

Custom requirements. If the model you need is not listed, send input range, output voltage, output current, case or terminal preference and quantity — we will quote a customized build.

© 2026 Guangzhou VOITA Electronic Technology Co., Ltd. · www.voitatech.com

inquiry@voitatech.com · +86 191 5742 1386