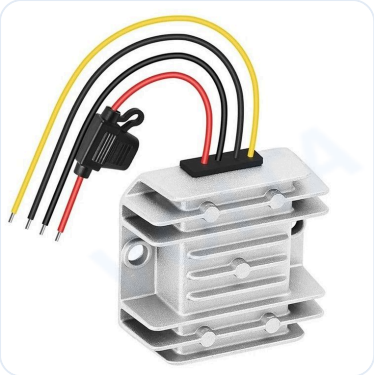
# Step-up DC-DC Converter — 66 × 58 × 23 mm Case, 19 V / 24 V Output

Compact step-up converter for 12 V DC systems: 9–16 V DC input, 19 V or 24 V DC output at 3 A, packaged in one sealed IP67 case.



## KEY FEATURES

- Input **12 V DC (9–16 V)**
- Outputs at **19 V or 24 V**, held to ± 0.25 V
- **3 A** in this case — 57 W (19 V) and 72 W (24 V)
- **66 × 58 × 23 mm** finned heat-sink case, 0.1 kg
- **90 % transfer efficiency** at rated load
- **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**

## MODELS BUILT IN THIS CASE

| Model | Input version | Output current | Output power |
|---|---|---|---|
| 12V-19V | 12 V (9–16 V) | 3 A | 57 W |
| 12V-24V | 12 V (9–16 V) | 3 A | 72 W |

Ordering model = model prefix + current rating, e.g. **12V-19V 3A**. Both models use the same 66 × 58 × 23 mm case and 0.1 kg; output power is the rated output voltage multiplied by the output current. Higher current ratings of the same voltage pair are built in the 74 × 74 × 32 mm, 100 × 80 × 38 mm and larger cases.

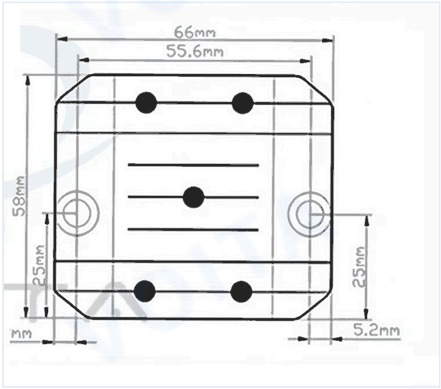
## ELECTRICAL SPECIFICATION

| | |
|---|---|
| Input voltage | DC 12 V (9–16 V) |
| Output voltage | 19 V / 24 V, held to ± 0.25 V |
| Output current | 3 A in this case |
| Output power | 57 W (19 V) / 72 W (24 V) |
| 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) | 66 × 58 × 23 |
| Mounting holes | Ø5.2 mm |
| Leads | Four fly leads — red, black, yellow, black |
| Net weight | 0.1 kg |
| Ingress protection | IP67 — sealed housing, no vents or fan intake |
| Certification | CE, FCC, RoHS |
| Warranty | 2 years standard, extendable by agreement |




Plan view, dimensions in mm — case 66 × 58 × 23, mounting hole Ø5.2 mm, hole positions as drawn.

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

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