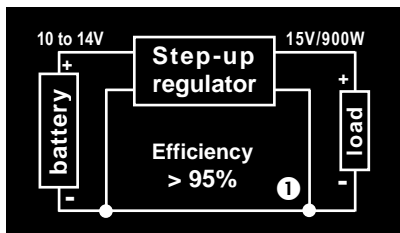


ELECDAN Converter **STEP-UP VOLTAGE REGULATOR** SKU: SUR-1014-1560-1 (or 2 or 3 or 4)

www.elecdan-converter.com

| PDF file | Voltages | | Outputs | | Efficiency | Max leakage | Thermal curves §13, PDF file No. | Cooling specificity of each model / case and volume (cm ³) connector excluded | Photo No. | Cases § 11 PDF file No. | Availability | Delivery time | Pre-tax price (€) | |
|----------|-----------|-----|---------|-------|------------|-------------|----------------------------------|---|-----------|-------------------------|--------------|---------------|-------------------|----------|
| | In | Out | Current | Power | | | | | | | | | 1 unit | 10 units |
| §1 to 15 | 10 to 14V | 15V | 60A | 900W | > 0,95 | 40W | 1 | dynamic dissipation (250) | 1 | 1 | | | | |
| | | | | | | | 2 | independent passive dissipation (100) | 2 | 2 | | | | |
| | | | | | | | 3 | standard passive dissipation (500) | 3 | 3 | | | | |
| | | | | | | | 4 | reinforced passive dissipation (1000) | 4 | 4 | | | | |

Able to convert a low voltage into high power, this step-up regulator can advantageously replace conventional dc/dc converters (with much higher efficiency) when input/output insulation is not required.



- Transforms a 12V battery into a powerful stabilized generator 15V / 900W
- High efficiency allowing reduced dimensions and low weights
- Four presentations (100cm³ to 1000cm³) to offer various thermal options
- Scalable cooling options, to push back the thermal limits
- Wire loss reduction, in case of remote mounting (connections ≤ 72mm²)
- Neutralized vibrations + tropicalisation + sealing: IP63 / IP67 casting

| Detailed sections | § |
|--------------------------------------|------------|
| protections | 4 |
| thermal data | 5/11/12/13 |
| mechanical data | 7 / 8 / 11 |
| possible assembling | 15 |
| standards & specific. | 9 |
| height x width x depth (mm) / weight | |
| 1 or 2 mounting possibilities | |

| Case ① | Case ② | Case ③ | Case ④ |
|---------------------|---------------------|-------------------------|--|
| | | | as case ③ but with dissipator measuring 225mm (instead of 112mm) |
| 96 x 64 x 61 / 380g | 92 x 64 x 40 / 290g | 112.6 x 120 x 47 / 700g | 225.2 x 120 x 47 / 1150g |
| Clip & 2 screws | 2 screws | Clip & 2 screws | Clip & 2 screws |

| Temperatures | without derating | - 30°C to + 50°C | to be cooled | - 40°C to + 30°C | - 40°C to + 50°C |
|--------------|-----------------------|------------------|------------------|-------------------|------------------|
| | with derating storage | - 30°C to + 70°C | - 40°C to + 90°C | - 40°C to + 100°C | |