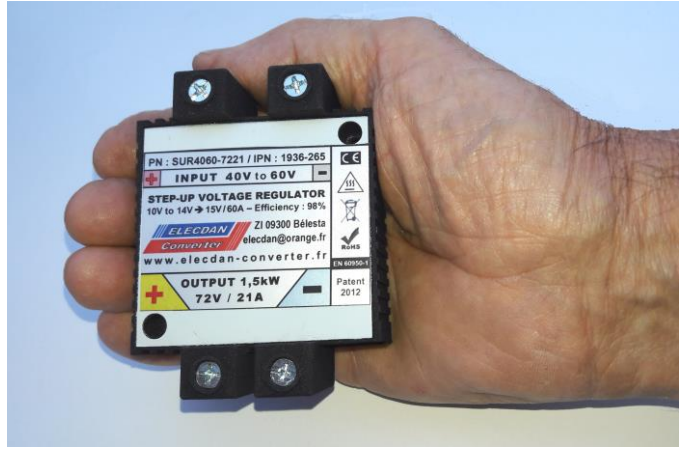


Transforms a **48V battery** into a stabilized and very high efficiency **72V / 21A / 1.5kW generator**

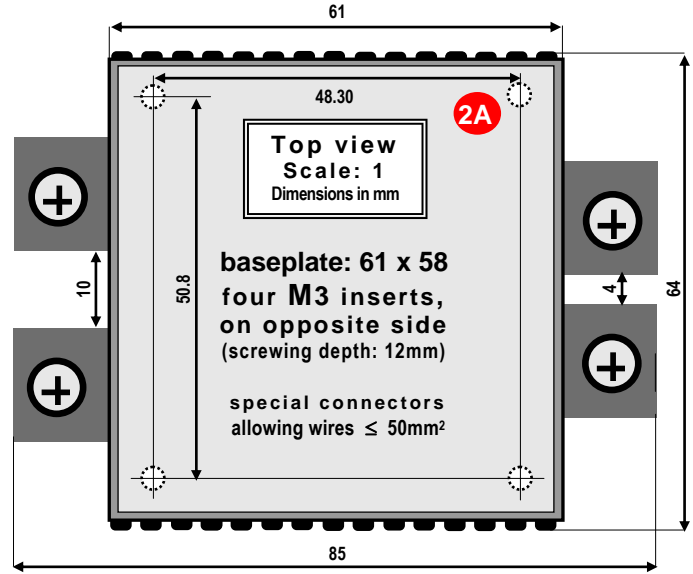
- input V_{in} : 40 to 60V → output V_{out} : 72V / 21A / 25A peak, with nominal efficiency **98%**
- line regulation, load regulation, thermal drift ($\Delta T^\circ = 50^\circ C$): better than 1%
- overload limitation: with automatic hiccup of the output voltage V_{out} , lowered to the level of V_{in} , allowing very high starting currents, for example for engines. (optional input fuse oversized depending on the starting current)

Half-brick type module



- case temperature: - 40°C to + 100°C
- ambient temperature: - 40°C to + 85°C
- thermal resistance of the case: 6°C / W
- thermal protection: lowering of V_{out} at the level of V_{in} (automatic rise after cooling)
- protection against moisture, vibrations and shocks: IP67 sealing

- Standard case **2A** (see opposite) equipped with four special screw connectors:
 - dimensions: 85 x 64 x 32 mm / weight: 190g
 - screwable on a thermally conductive support
 - mountable on heatsink type "112"
- Standard heatsink, type "112" (see below):
 - can be mounted on wall, through two holes
 - can be mounted on DIN rail, on its back
 - can be mounted on DIN rail, on its side



- Standards and particularities:
 - MTBF > 500 000 hours at 30°C
 - CE / UL / cUL 60950-1 marking
 - RoHS

Case 3A
(**2A**+ heatsink 112)

- 112 x 120 x 37 mm
- Weight 700g
- Thermal resistance: 1.5°C / W
- DIN rail mounting:
 - either at the back (112 x 120)
 - or on the side (112 x 37)
- Wall mounting: two holes $\varnothing 4.5$ mm; vertical center distance: 90mm



Example of mounting with external diode 80V / 150A, allowing a starting current >> nominal current

