

Electrical Voltage Regulator “Swiss Design”

Each regulator is unique and hand-made (as your bike 😊). Only quality parts are used to ensure best performance.
All regulators are tested on a regulator and generator test bench before shipment.

Mechanical Features:

- Special Swiss Design, similar size as the original cut-out relay: 67 x 53 x 35 mm (l x w x h)
- Enclosure out of recycled aluminum. Metal casting done by McSands Motor Shop GmbH: Mainly vintage pistons, that are replaced during motor revisions
- Encapsulated electronics: IP65
- Old school style screw mounting posts: M4 size

Electrical Features:

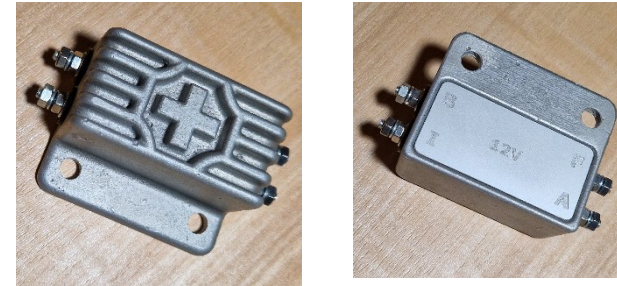
- Designed for 2-Brush DC generators, with 6V or 12V output voltage
- Current overload protection on generator and battery side:
Built-in automatic resettable fuses (Current Limit ~ 20A)
- Universal and precise regulation:
 - Adjustable Generator Current Limit: Up to 15A
 - Adjustable Battery Load Current Limit: Up to 7.5A
 - Adjustable Battery Load End-Voltage: 3V to 18V
- Use your favorite battery type:
 - Lithium-ion, Lead-Acid and Sealed-Lead-Acid (AGM)*
 - 12V or 6V*
- Note: A 6V regulator can be changed to a 12V regulator and vice versa
- Diagnosis connector for fine adjustments (hidden under the lid)

*please specify your use-case

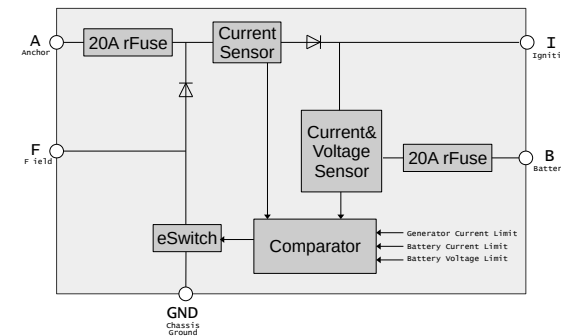
About Me:

Hi, my name is Reto the person behind this regulator. Because I was not happy with the performance of the regulators available on the market (and I tested almost all different solutions 😊), I decided to design my own regulator. The development started back in 2018, and since then I’m continuously improving it for my own motorbike.

Top and Bottom View

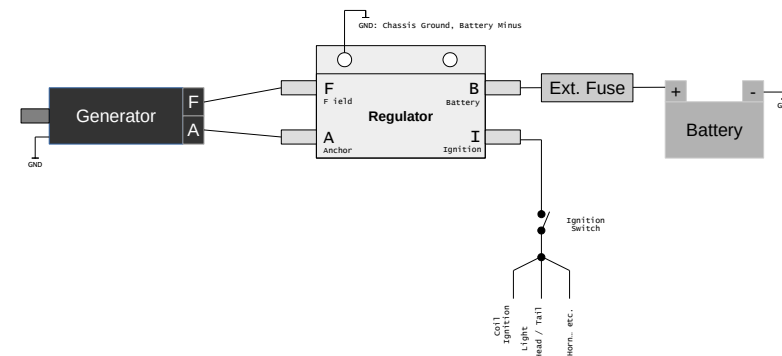


Block Diagram



Wiring Diagram

Note: The regulator has 4 connection post, one additional wire needed from battery to ignition switch. Also be sure the Generator is polarized correctly before usage, see generator manual.



Wiring Diagram

