

Charge controllers Mini IV A&B

Overcharge protection for < 120W solar modules

The charge controllers Mini IV are used in solar electric systems to protect the battery against over-charge. The type A can control panels up to 80 W on 12 V (160 W on 24 V), the type B can control up to 120 W on 12 V (240 W on 24 V). This type of regulator is recommended only for systems where the battery's discharge is controlled by another circuit or in systems with a load corresponding to an oversized panel power. The mini regulator is a "series" type, which means that the panels to battery line is disconnected when the battery is fully charged and reconnected when the battery's voltage goes below its maintenance level. The reverse current is blocked by a low voltage losses diode on the circuit. Two LEDs on the circuit show a panel current (yellow) and the battery full (green).



- *Nominal voltage* : 6, 12 or 24 V
- *Max charge voltage (for 12V)* : 14.5 V
- *Hysteresis (for 12V)* : 0.7 V
- *Max charge current* : 6 A (type A)
8 A (type B)
- *Blocking diode* : Si 6 A (A)
Schottky 15 A (B)
- *Indicators* : yellow LED = charge current
green LED = full battery
- *Active switch* : on the negative pole (-)
- *Protected against a reverse polarity*
- *Total consumption* : < 1 mA
- *Cabinet* : 105 x 105 x 65 mm (IP66)
- *Temperature* : - 20 à + 50 °C
- *Connectors* : spring or screwed contacts
(max. 2.5 mm²)

AVAILABLE MODELS – circuit board only or in an IP 66 cabinet

■ Mini IVA - 6V	6 V lead battery	Max solar module current 6 A
■ Mini IVA - 12V	12 V lead battery	Max solar module current 6 A
■ Mini IVA - 24V	24 V lead battery	Max solar module current 6 A
■ Mini IVB - 12V	12 V lead battery	Max solar module current 8 A
■ Mini IVB - 24V	24 V lead battery	Max solar module current 8 A