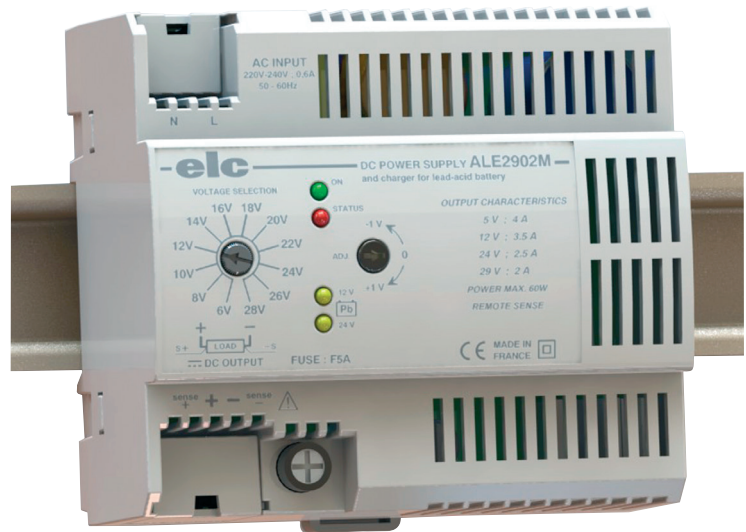




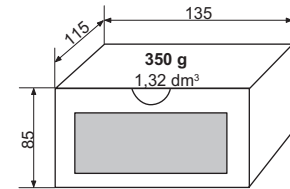
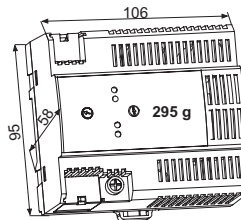
**PROGRESS**

- PRECISE** : Switching power supply offering a ripple <3mV rms.
- UNIVERSAL** : 12 settings in 2V steps with  $\pm 1V$  adjustment range.
- COMPLETE** : 12 or 24V lead-acid battery charger function and remote sensing.
- PRACTICAL** : Charger position and status indicators.
- PROTECTED** : against short circuits and reverse polarity.



**60 WATTS**

- 5V to 29V
- 2,5A to 24V
- 3,5A to 12V
- 4A to 5V
- battery charger 12V or 24V



**Specifications**

**Voltage**

- Floating outputs on spring terminal block with levers for 2,5mm<sup>2</sup> (AWG12) wires.
- Output voltage : adjustable from 5 to 29V by 12 position switch, and fine adjustment switch positions : 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28 Volts. fine adjustment range :  $\pm 1$  Volt, whatever the switch setting
- Accuracy :  $\pm 1\%$
- Regulation : < 30mV at 5V and < 20mV at 29V,1 for a load change from 0 to 100%. < 1mV at 29V 2,1A and < 4mV at 5V 4A for a line change from 190V to 264V.
- Ripple : < 3mV rms including : < 3mV peak to peak of the 100kHz signal < 4mV peak to peak of the 100kHz signal < 10mV peak to peak of switching transients
- Hold-up time : 25 ms at half load and 12 ms at full load. (190V line input)
- Indicators : Green LED indicator : "power supply operating" Yellow LEDs indicator : "12V and 24V battery charger position" Red LED indicator : "status, output fuse broken" or "overheat" The yellow LEDs also indicate battery-backed operation.

**Current**

- Max I : 4,2A in short circuit condition 4A to 5V, 3,5A to 12V, 2,5A to 24V and 2,1A to 29V

**Battery charger**

- Rated capacity of the lead-acid batteries with electrolyte free : 35 Ah for 12 V and 20 Ah for 24 V.
- Minimum capacity of the lead-acid batteries sealed : 10 Ah for 12 V and 7 Ah for the 24V. (In all the cases, to refer to the note of the batteries manufacturer)

**Remote sensing**

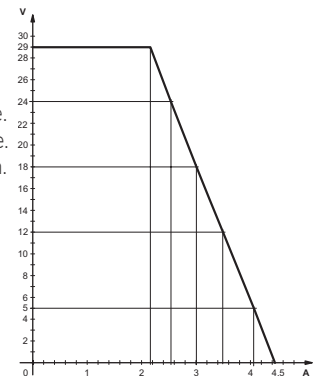
- Correction of the voltage drop in the wires [4 wires method]
- Input on disconnect scribe terminal blocks for 2,5mm<sup>2</sup> wires (AWG12)
- Correction : Max 3V (1,5V per wire)
- Ripple : < 30mV for a load change from. 0 to max.

**Power**

- A linear function of voltage from 60W to 20W (29 to 5 Volts).

**Protection**

- Against short circuit, by current limit.
- Against overcurrent on primary circuit, by fuse.
- Battery reverse polarity protection by output fuse.
- Against overtemperature, by thermal shutdown.
- Cover on input output terminal block.



**Other specifications**

- Safety : Class II, SELV output, complies with EN 60950.
- EMC : Complies with EN 61000-6-2 and EN 61000-6-4.
- Protection level : IP 30.
- Operating temperature : from -25 to +60°C ; derating : 1W/°C from +40°C
- Input voltage : 190 to 264 Volts, 50 / 60 Hz.
- Mains input : spring terminal block with levers for 2,5 mm<sup>2</sup> (AWG 12) wires.
- Power consumption : 71W max.
- Dielectric strength : 3000V from input to output.
- Presentation : modular polycarbonate case [6 x 17.5mm] screenprinted.
- Mounting : Clips package integrated in modular case for DIN rails profile 35x7,5mm or 35x15mm. Removable wall mouting integrated to the case for 4mm screws.