

Adjustable Power supply, DIN rail, up to 127Vdc, 300 W
adjust with external or internal setpoint

AL200V **LOREME**

• **Adjustable output with external setpoint** 300 Watts maxi

0...30Vdc / 10A; 0...48Vdc / 5A; 0...60Vdc / 5A
 0...115Vdc / 2A; 0...127Vdc / 1A;
 +/- 48Vdc 5A
 other on request

• **Setpoint input**

0...10V, 4...20mA or potentiometer

• **AC or DC Power supply**

85 265 Vac (50 Hz, 60 Hz, 400 Hz)
 24 Vdc, 100 ... 370 Vdc

• **Analog output. Image of output current**

4-20 mA or 0-10V

• **Fully protected**

Short circuit, overload, thermal

• **DIN RAIL or surface mounting**

fan air cooling



Strong mid range industrial power supply with variable output. Adjustable with analog input, can be used as high output power amplifier.

Description:

- Hybrid power supply integrate a switching post-regulation and linear regulation to combine efficiency and low noise.

Features:

- DIN rail or surface mounting,
- IP20 Protection,
- Pluggable screw terminal blocks (6 mm² max),
- Conformal coating,
- High resistance to vibration and shock,
- Low sensitivity to humidity and dust,
- Overload protected
- Continuous short circuit protected
- Thermal protection (output power limitation),
- Forced fan cooling
- Embedded EMC filter in accordance with EN55022 class A,
- Output voltage adjustable on several range.

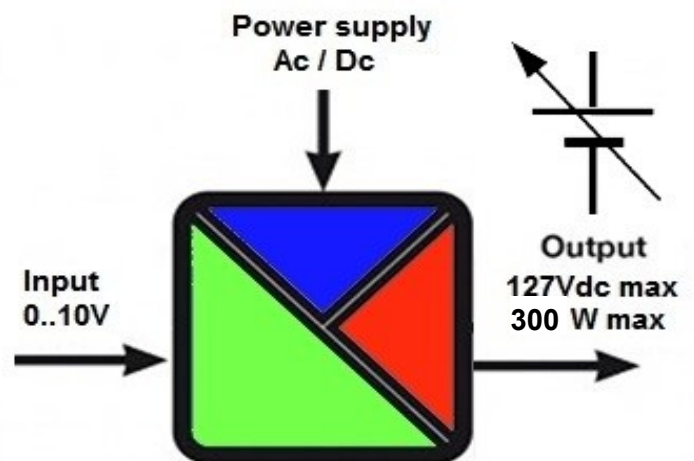
Technical specifications:

Output voltage linearity (typical): +/-2% / setpoint.
 Line Regulation (input variation): +/-0.5%.
 Load regulation (output current variation) : +/-1%.
 Noise and ripple : < 100 mVpp (20 MHz bandwidth).
 Thermal stability: +/-0.02% / °C.
 Holding time of the output: 50 ms typical (230Vac).
 Temperature from -20 °C to +60 °C (standard version).
 Temperature derating: 2.5% / °C above 55 °C.
 Output current limitation: 110%.
 Reliability : MTBF of 300 000 hours at 25 °C.

Implementation and installation recommendations

- Primary protection with fuse recommended (delayed 5A).
- Be careful with positioning to ensure proper ventilation.

Synoptic



Version and order code:

[Request a quote](#)

AL200V : 1 variable output / 0...10V or 4-20mA setpoint to define

Output range to define :
 0...30Vdc / 10A
 0...48Vdc / 5A
 0...60Vdc / 5A
 0...115Vdc / 2A
 0...127Vdc / 1A
 other on request

auxiliary power supply must be defined

AL200V-S: Analog output (4-20mA or 0-10V)
 as an image of output current

Power supply

Input voltage 85....265 VAC / 120...370 VDC
 Input frequency 47....440 Hz
 Typical efficiency >85 %
 Inrush current 15A typical

Output

Accuracy +/- 2 % max (+/- 1% on request)
 Regulation +/- 2 % max. (full load)
 Ripple < 1 % Vout max (limited to 20MHz)
 Continuous short circuit protection.
 Overload protection 110 % typ.
 Switching frequency 60 kHz typ.
 Output hold time 50 ms typical.

ENVIRONMENT

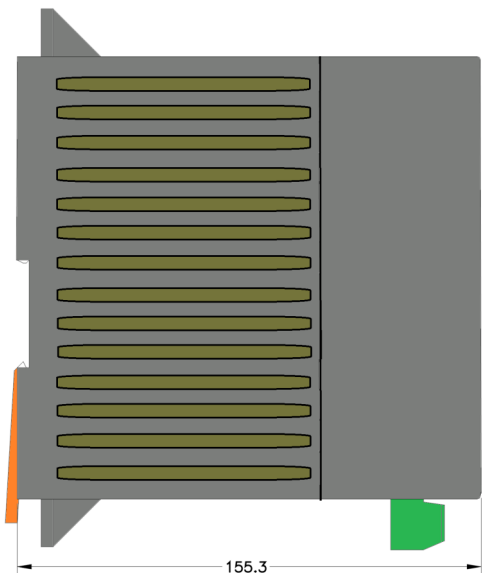
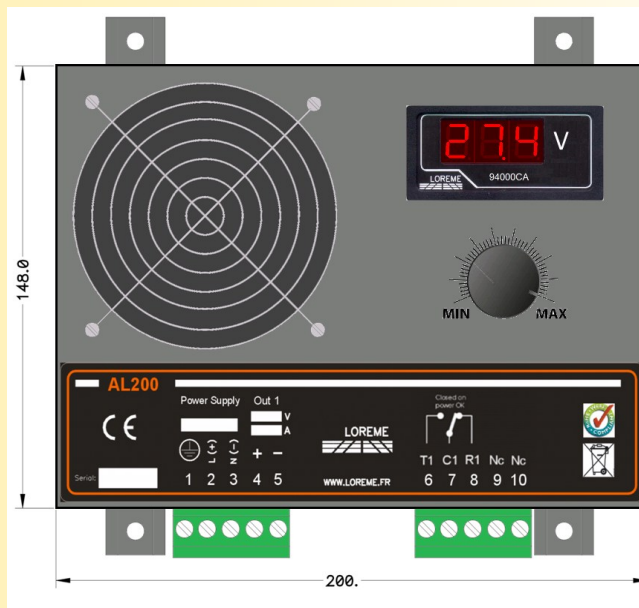
Operating temperature -10 °C to 50 °C
 Thermal protection 100 °C internal
 Storage -20 °C to 95 °C
 Humidity 85 % (not condensed)
 Temperature coefficient +/- 0.02 %/°C typical
 Insulation resistance 100 MΩ min.
 Dielectric strength 2500 VAC
 Weight 800 g
 MTBF (+25 °C) 300 000 hours

Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE

Immunity standard for industrial environments EN 61000-6-2		Emission standard for industrial environments EN 61000-6-4	
EN 61000-4-2 ESD	EN 61000-4-8 AC MF	EN 55011	
EN 61000-4-3 RF	EN 61000-4-9 pulse MF	group 1 class A	
EN 61000-4-4 EFT	EN 61000-4-11 AC dips		
EN 61000-4-5 CWG	EN 61000-4-12 ring wave		
EN 61000-4-6 RF	EN 61000-4-29 DC dips		

WIRING AND OUTLINE DIMENSIONS:

AL200V adjustable output by front face potentiometer



AL200V output adjustable by 0-10 or 4-20mA external setpoint and 0-10V or 4-20 mA image of output voltage or current

