

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

- **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 mm<sup>2</sup> 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.

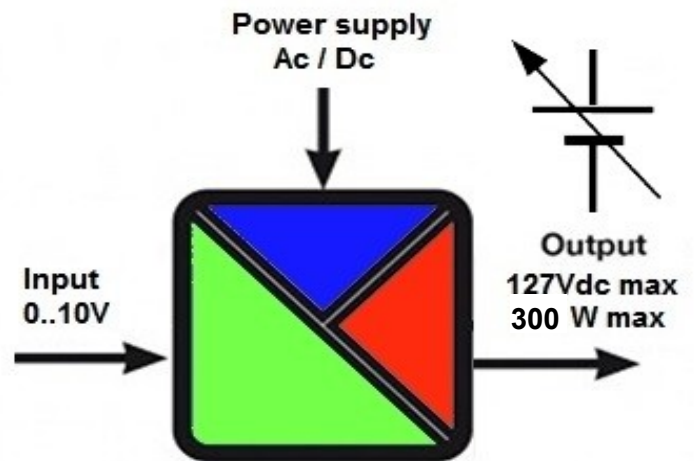
**Technical specifications:**

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

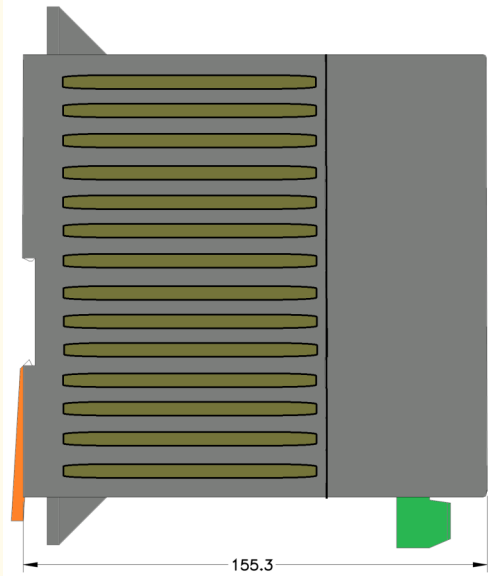
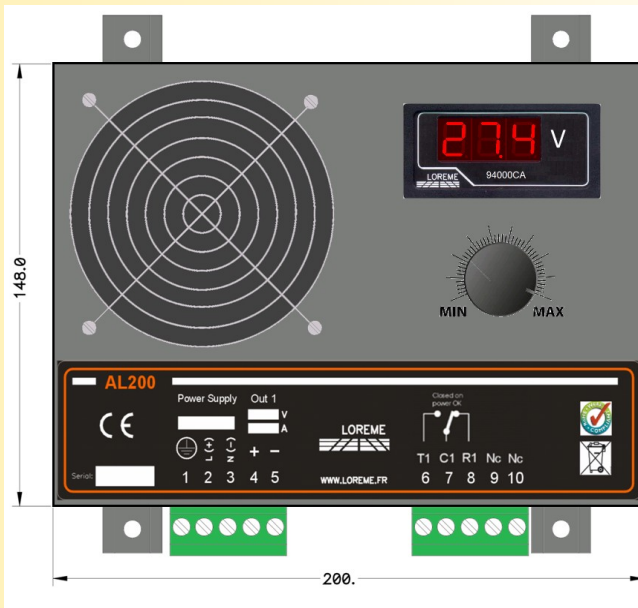
**Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE**

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 group 1 class A
EN 61000-4-3 RF	EN 61000-4-9 pulse MF	
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**

