VUMS POWERPRAG

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SX350LSD2-CT-ADJ

AC/DC Power Supply with adjustable output voltage up to 260VDC with output power up to 350W

The power supply is based on **SX350LSD2-CT** unit from XP Power. Addition of an electronic board makes possible **remote control of the output voltage in a wide range** . Output voltage of the power supply is proportional to the value of an external voltage applied on a control input of the power supply.

Specification:

- input voltage range: **180VAC to 253VAC / 50Hz or 90VAC to 127VAC / 60Hz**
- maximum output power: **350W**
- output voltage adjustment: **10VDC to 260VDC**
- maximum output current: **1.35A** (for 260VDC output voltage)
- adjusting of the output voltage with an external analog signal in the range from **0 to +10VDC**
- accuracy of adjusting of the output voltage: better than **5V**
- control input impedance: **100 kOhm**
- isolation voltage between the control circuit and power supply output: **63V DC**
- auxiliary power supply : **12VDC±10%**
  (auxiliary power supply should be isolated from the output of the power supply)
- overcurrent protection: current limit **1.83 to 2.07A**
- overvoltage protection: logical OFF in the range from **265 to 298V**
- EMI/RFI: in accordance with **EN 55022, level B**
- **WARNING: power supply output voltage is not SELV (Safety Extra Low Voltage) in accordance with EN 60950 standard and hazardous voltage is present on the output**
- Protection Class I, for intallation within other equipment
- isolation: input/output: **3000V AC**
  input/chassis: **1500V AC**
- operational ambient temperature range: **0 °C to +40 °C** (for maximum output power)
- cooling: natural convection (without fan)
- dimensions: **300 mm x190 mm x 62 mm**
- weight: **2.3 kg**

Connections:

Input terminal block: **1 =  = Protective Earth, 3 = N = AC Neutral, 5 = L = AC Live**

Output terminal block: 1=0VS=Sense -, 2-6=0V=negative output, 7-10 =+V=positive output, 11=+VS=Sense + (pins 1, 2 and 10, 11 are connected with an external connection as a standard)
Control connector: type: stereo JACK, o3,5 mm

WARNING: Fixing screws must not penetrate unit by more than 5 mm

Application:

The power supply is designed for example for PC controlled automatic testers (via a D/A converter) or as an adjustable power supply for laboratory or technology use. **Power supply is intended for installation within other equipment.**