

Technical specifications

1 kV, 16 kW
Large Power Range Power Supply

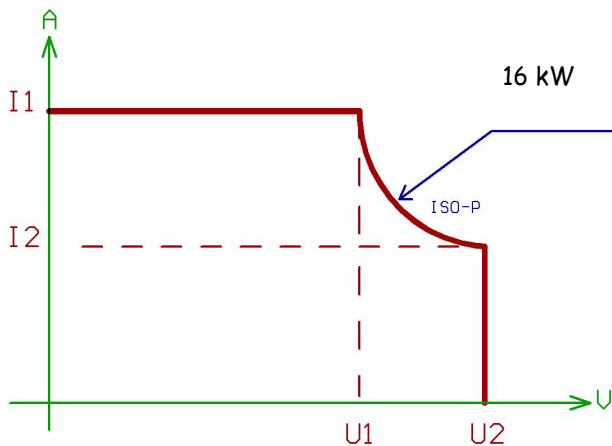
Model : LPR1-X-16



Non contractual photo

Electrical specifications:

- Main Voltage : 3X400VAC +/-10% 45-65 Hz + Ground
- Output Voltage : adjustable from 0 to 1000 VDC (local or Remote)
- Output Current : adjustable from 0 to 21.05 A (local or Remote)
- Power : autoranging 16000 W max from 760 V, 21.05 A to 1000 V, 16 A



$U_1 = 760 \text{ V} ; I_1 = 21.05 \text{ A}$

$U_2 = 1000 \text{ V} ; I_2 = 16 \text{ A}$

- Polarity : To be defined
- Efficiency : Better than 90% in full charging
- Operating Modes : Local or Remote



Voltage Regulation:

- Line Regulation : Better than +/- 0,05 % for main voltage \pm 10%variations
- Load regulation : Better than +/- 0,05 % for load variations between 0 to 100%

Current Regulation:

- Line Regulation : Better than +/- 0,05 % for main voltage \pm 10%variations
- Load regulation : Better than +/- 0,1 % for load variations between 0 to 100%

Settling time : 100 ms in standard, 10 ms optional

Ripple + Noise: Better than 0.1% RMS

Cooling: Air forced with fans for the power rack

Operation Temperature : 0 °C to + 40°C

Temperature Coefficient: 100ppm/°C

Stability after one hour warm-up:

0.01 %/hour, 0.03 % / 8 hours of operating with constant load and ambient temperature

Short circuit protected

CE marked.

Presentation :

19" rack 7 U

H311xW483xD600 mm

Front panel: programming and control

- Safety key switch
- Emergency OFF switch
- Local / Remote switch and green led indicator
- Voltage & current control by 10 turn potentiometers resolution < 0.05 %
- 3 $\frac{1}{2}$ digit display for voltage & current setting / read-out value, with 0.2 % accuracy
- HV on push button with green led indicator
- HV off push button with red led indicator
- Push button for reading voltage & current setting
- Main input voltage red led indicator
- Default red led indicator
- Interlock red led indicator
- OCP/OCL (Over Current Limitation & Over Current Protection) push buttons with 2 leds
- Voltage and Current Regulation led indicators
- Dusty filter fans

Rear panel:

- Outputs Connectors: Appropriately voltage 3 meters cable
- Input connector: 4 points Socapex model with female plug.
- Interlock connector

WDLPR16/081120