

**DC OUTPUT :**
0-1000Amps (12kW)
0-600 Volts  
0-1250Amps (16kW)  
0-1500 Amps (20kW)



**Dimension :**  
 L:483mm x H:310mm x P:520mm

U I P OVP OT USB RS232 LAN IEEE CAN Profibus

## Presentation :

- Presentation : 19 inch rack or cabinet, Height 7U
- Minimum volume and weight for maximum capacity
- Switched mode technology
- Voltage and current controlled by PWM (Pulse width modulation)
- On request : Programmable voltage / current : 0-10V or 4-20mA, isolated to 1500 Vrms
- Over-voltage protection (OVP) / Over-temperature protection (OTP)

## Voltage / Current:

MICROLAB DC MX			
Power	MXP 12kW	MXP 16kW	MXP 20kW
<b>Weight</b>	48kg	48kg	48kg
<b>Volts</b>	<b>Amps</b>	<b>Amps</b>	<b>Amps</b>
0 - 10	0 - 1000	0 - 1250	0 - 1500
0 - 20	0 - 500	0 - 750	0 - 1000
0 - 30	0 - 400	0 - 500	0 - 750
0 - 40	0 - 300	0 - 400	0 - 500
0 - 60	0 - 200	0 - 260	0 - 330
0 - 80	0 - 150	0 - 200	0 - 250
0 - 120	0 - 100	0 - 130	0 - 160
0 - 150	0 - 80	0 - 100	0 - 130
0 - 200	0 - 60	0 - 80	0 - 100
0 - 300	0 - 40	0 - 50	0 - 65
0 - 600	0 - 20	0 - 25	0 - 30

Voltage superior to 600 Vdc : on request.



# Stabilized laboratory power-supply

## MICROLAB DC MXP 12kW - MXP 16kW - MXP 20kW



### Descriptions :

- . Polycarbonate front panel
- . Two-colour On/Off LED : Off = red / On = green
- . Voltage and current adjustable using two 10-turn potentiometers (U-adj and I-adj)
- . Two modes of operation : constant current (CC) and constant voltage (CV) indicated by two LEDs
- . 2000-point digital displays (VOLTAGE / CURRENT)
- . Power output activated by pressing « OUT »
- . Manual Voltage / Current preset (U/I set push butto) shown on displays
- . Power input by standardised pluggable connector
- . Power outputs on insulated or screw terminal block

**Power : MXP 12 – 16– 20 KW**  
**Weight : 48 Kg**

### AC Input

Voltage	400 Vac TRI +/- 10% without neutral + PE
Frequency	47 / 63 Hz
Power factor	> 0,95

### DC Output

Power	12-16-20 KW
Voltage	0 to 600V
Current	0 to 1500A
Mode of operation	CV-CC
Residual ripple	< 0,5% of the normal gauge
Accuracy (Voltage and Current)	< 0,2% of the normal gauge
Stability	< 0,2% of the normal gauge
Linearity	< 0,2% of the normal gauge
Distorsion	< 0,5%

Temperature	0 à +40°C ( 55°C derating )
Relative Humidity	85% without condensation
Cooling	Controlled air cooling
Dielectric Rigidity	1500 Vrms

### Customisation :

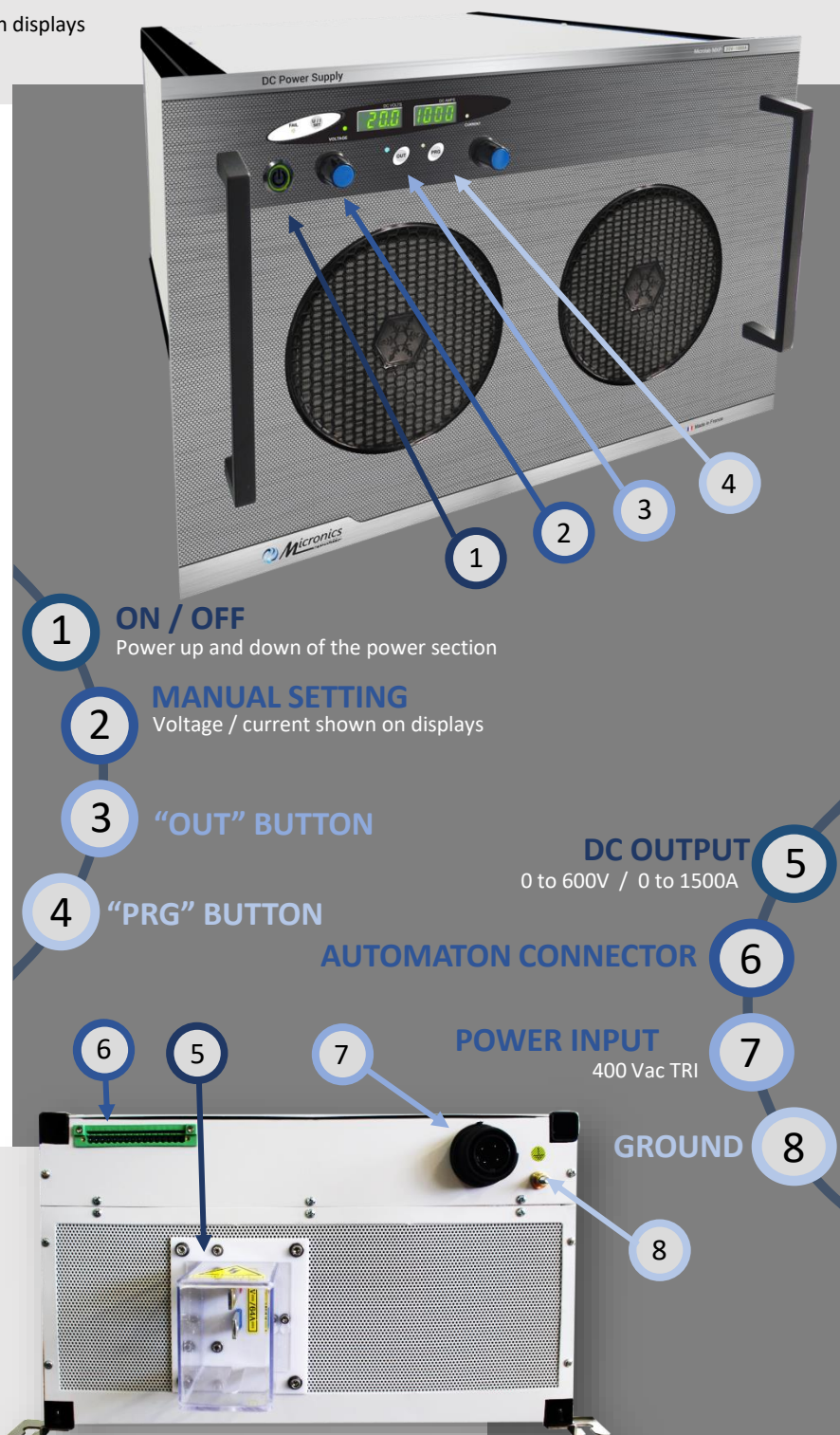
#### Digital control :

- 2-wire RS 485/ Ethernet / Wifi
- Profibus DP
- Standard : Schneider/ Siemens/Wago/Phoenix...

#### Analog control :

- U and I Inputs / Outputs
- 0-10V or 4-20mA isolated 1500 Vrms

15-pin D-Sub connector for remote programming



Non-biding document, may be amended  
without notice,  
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