



DC OUTPUT : 0-500 Amps ( 6kW )  
 0-600 Amps ( 8kW )  
 0-700 Amps ( 10kW )

0-600 Volts



**Dimensions :**

L:483mm x H:266mm x P:423mm

U

I

P

OVP

OT

USB

RS232

LAN

IEEE

CAN

Profibus

## Presentation :

- Presentation : 19 inch rack or cabinet, height : 6U
- 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 MXP			
Power	MXP 6kW	MXP 8kW	MXP 10kW
Weight	38kg	38kg	38kg
Volts	Amps	Amps	Amps
0 - 10	0 - 500	0 - 600	0 - 700
0 - 20	0 - 300	0 - 400	0 - 500
0 - 30	0 - 200	0 - 250	0 - 350
0 - 40	0 - 150	0 - 200	0 - 250
0 - 60	0 - 100	0 - 135	0 - 165
0 - 80	0 - 75	0 - 100	0 - 125
0 - 120	0 - 50	0 - 65	0 - 85
0 - 150	0 - 40	0 - 50	0 - 60
0 - 200	0 - 30	0 - 40	0 - 50
0 - 300	0 - 20	0 - 25	0 - 30
0 - 600	0 - 10	0 - 13	0 - 16

Voltage superior to 600Vdc : on request.





### 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 button) shown on displays
- . Power input by standardised pluggable connector
- . Power outputs on insulated terminals or screw terminal block

**Power : MXP 6 – 8 – 10 KW**  
**Weight : 38 Kg**

### AC Input

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

### DC Output

Power	6-8-10 KW
Voltage	0 to 600V
Current	0 to 700A
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 :

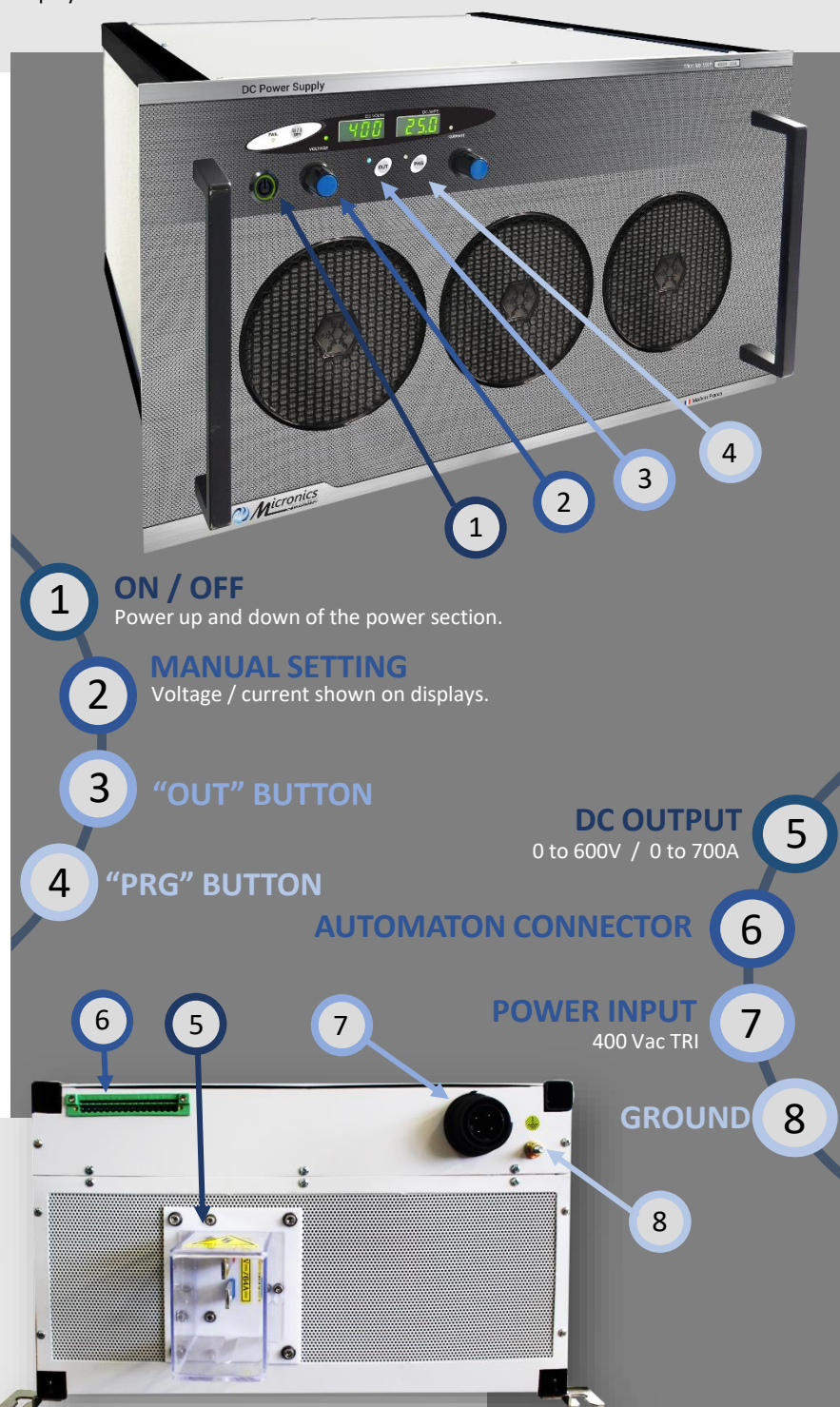
#### Digital control :

- 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.  
Réf: 271218 / MXP 6-8-10 KW

