

# POWERSWITCH MGP2+

**DC OUTPUT :**  
12000 A | 8 – 100 V

## Description :

- Supply voltage: 400 VAC three-phase +/- 10% 50-60 Hz without neutral + PE.
- Ambient temperature: Max. 40°C, 50°C on request..
- Protection against overloads and short-circuits.
- Cooling: Controlled forced ventilation.
- Relative humidity (condensation-free): 85%.
- Efficiency: 86% to 92% depending on model.
- Power factor: cos phi > 0.98.
- Ripple: < 2% over the entire range of use.
- Control: 0 to 100% voltage and current.
- Precision: < 0.5% over 8 hours.
- Linearity, stability: < 0.5% over 8 hours.



## Voltage / Current Ratings :

MGP2+ ( 240 KW )	
Puissance	240 KW
Weight	630 Kg
Volts	Amps
20	12000
30	8000
40	6000
50	4800
60	4000
70	3500
80	3000
90	2600
100	2400

Voltage rating greater than 100 V DC : on request.

## Related Human Machine Interface



### CONTROL PANEL

- U and I adjustable using two potentiometers
- V/C manual preset with display



### TOUCHSCREEN CONTROL PANEL

- Built-in meter
- Built-in timer
- Built-in U or I gradient
- History graphs
- Save graphs to USB drive



# Current Rectifier POWERSWITCH MGP2+

<b>MGP2+ : 240 KW</b> Weight : xxx Kg	
<b>AC Input</b>	
Voltage	400Vac TRI +/- 10% without neutral + PE
Fréquence	47 /63 Hz
Power factor	> 0,98
<b>DC Output</b>	
Power	240 kW
Voltage	0 to 100V
Current	0 to 12000 A
Mode of operation	CV/CC
Ripple	< 2% of the normal gauge
Accuracy ( Voltage and current)	< 0,5% of the normal gauge
Stability	< 0,5% of the normal gauge
Linearity	< 0,5% of the normal gauge
Distortion	< 0,5%
<b>Environment</b>	
Temperature	0 to +40°C ( 55°C derating )
Relative Humidity	85% without condensation
Cooling	Controlled air cooling



## Customisation :

### Digital control:

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

### Analog control:

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

A-h T.J.P Counter

Polarity Inverter

Tension or Intensity Ramp

Timer

