

POWERSWITCH MGP2

DC OUTPUT :
5000 – 10000 Amps | 8 – 100 Volts

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 (10 000 Amps Max.)

Power	80 KW to 100 KW		120 KW to 160 KW	
Weight	460 Kg		550 Kg	
Volts	Amps		Amps	
8	8000	10000	x	x
10	8000	10000	x	x
12	6000	8000	10000	x
16	6000	8000	8000	10000
20	5000	6000	6000	8000
25	4000	5000	5000	6000
30	3000	4000	4000	5000
40	2500	3000	3000	4000
50	2000	2500	2500	3000
60	1500	2000	2000	2500
80	1250	1500	1500	2000
100	1000	1250	1250	1500

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

MGP2 : 10000 A (Max) Weight : 550 Kg	
AC Input	
Voltage	400Vac TRI +/- 10% without neutral + PE
Fréquence	47 /63 Hz
Power factor	> 0,98
DC Output	
Power	160 kW
Voltage	0 to 100V
Current	0 to 10000 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%
Environment	
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:

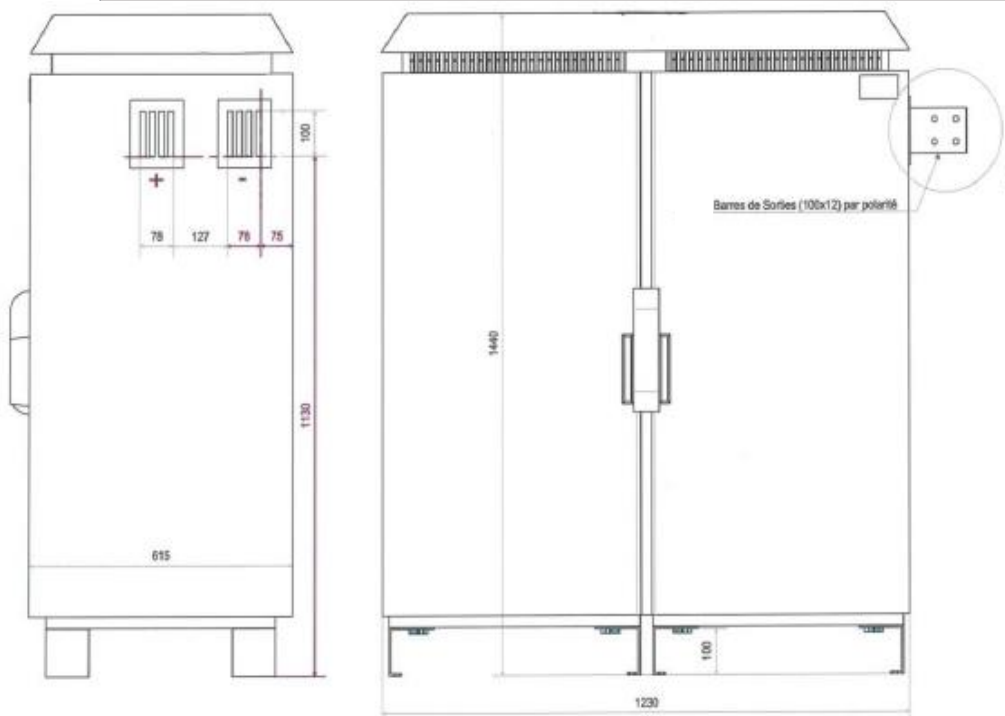
- U and I Inputs/Outputs
- 0-10V or 4-20 mA isolated 1500 Vrms

A-h T.J.P Counter

Polarity Inverter

Tension or Intensity Ramp

Timer



Non-binding document, may be amended without notice.
Réf: 201117 / MGP2

Dimensions : Width : 1200 mm | Height : 1440 mm | Depth : 600 mm

