

POWER SWITCH MGP1

DC OUTPUT :
3000 A | 4000 A | 5000 A

Description :

- Supply voltage: 400 V AC 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: 88% to 94% 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

MGP1 (5 000 Amps Max.)				
Power	30 KW to 50 KW		60 KW to 80 KW	
Weight	240 Kg		280 Kg	
Volts	Amps		Amps	
8	4000	5000	x	x
10	4000	5000	x	x
12	3000	4000	5000	x
16	2500	3000	4000	5000
20	2000	2500	3000	4000
25	1500	2000	2500	3000
30	1250	1500	2000	2500
40	1000	1250	1500	2000
50	750	1000	1250	1500
60	600	750	1000	1250
80	500	600	750	1000
100	400	500	600	750

Voltage rating greater than 100 V DC : on request.

Related Man 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 MGP1

MGP1 : 5000 A (Max)
Weight : 250 Kg

AC Input

Voltage	400Vac TRI +/- 10% without neutral + PE
Frequency	50 / 60 Hz
Power factor	> 0,98

DC Output

Power	80 kW
Voltage	0 to 100V
Current	0 to 5000 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:

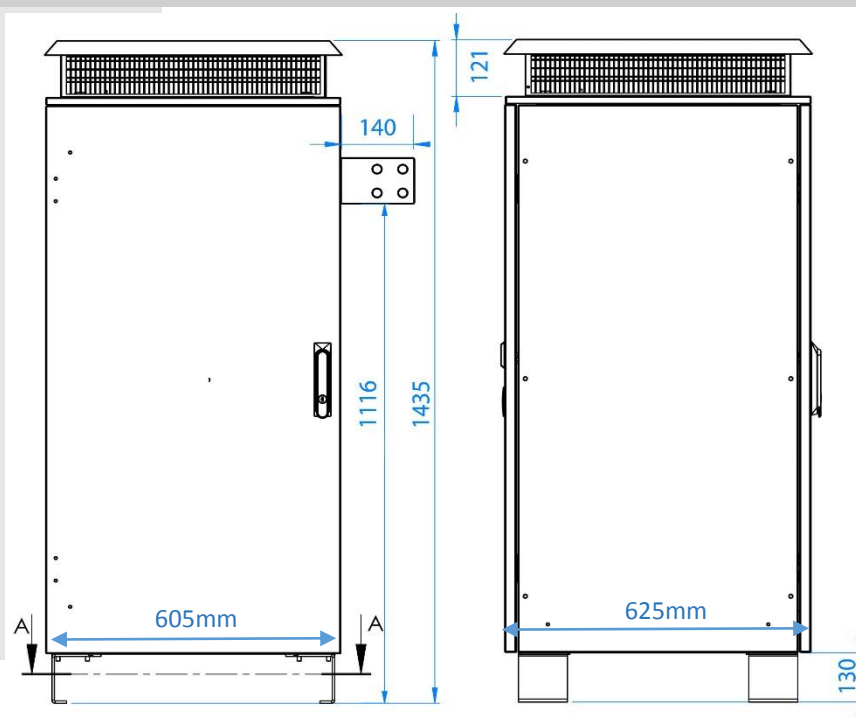
- U and I Inputs/Outputs
- 0-10V or 4-20 mA isolated 1500 Vrms

A-h T.J.P Counter

Polarity Inverter

Tension or Intensity Ramp

Timer



Dimensions : Width : 605 mm | Height : 1435 mm | Depth : 625 mm