

POWER SWITCH MGP2

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.

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



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	10000
20	5000		6000	8000
25	4000		5000	6000
30	3000		4000	5000
40	2500		3000	4000
50	2000		2500	3000
60	1500		2000	2500
80	1250		1500	2000
100	1000		1250	1500

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

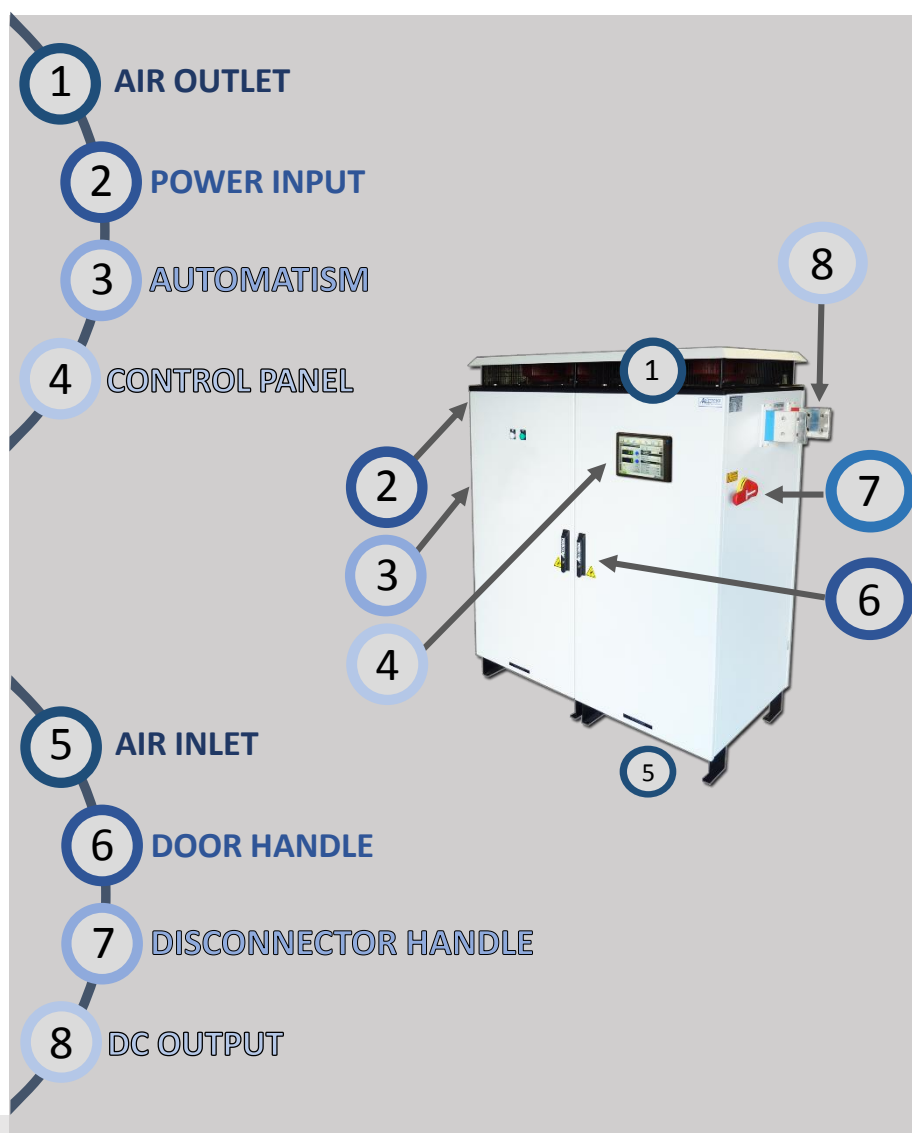


TOUCHSCREEN CONTROL PANEL

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

Current Rectifier POWERSWITCH MGP2

MGP2 : 10000 A (Max) Weight : 550 Kg	
AC Input	
Voltage	400Vac TRI +/- 10% without neutral + PE
Frequency	50 / 60 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

