

MICROSWITCH MGT4

DC OUTPUT :
750 A | 1000 A | 1250 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

MGT4 (1250 Amps Max.)			
Power	Up to 20 kW		
Weight	50 kg		
Volts	Amps		
8	750	1000	1250
10	750	1000	1250
12	750	1000	1250
16	750	1000	1250
20	750	1000	
25	650	750	
30	500	650	
40	400	500	
50	300	400	
60	250	300	
80	200	250	
100	150	200	

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 MICROSWITCH MGT4

MGT4 : 1250 A (Max)
Weight : 50 Kg

AC Input

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

DC Output

Power	20 kW
Voltage	0 to 100V
Current	0 to 1250 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:

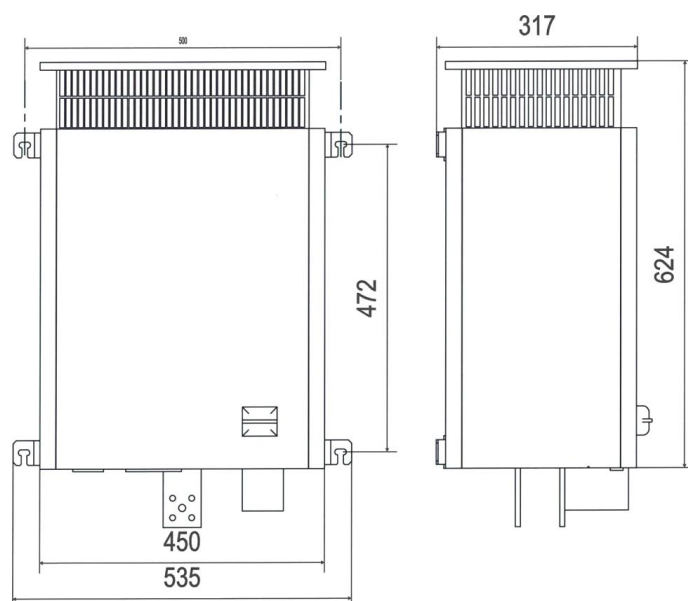
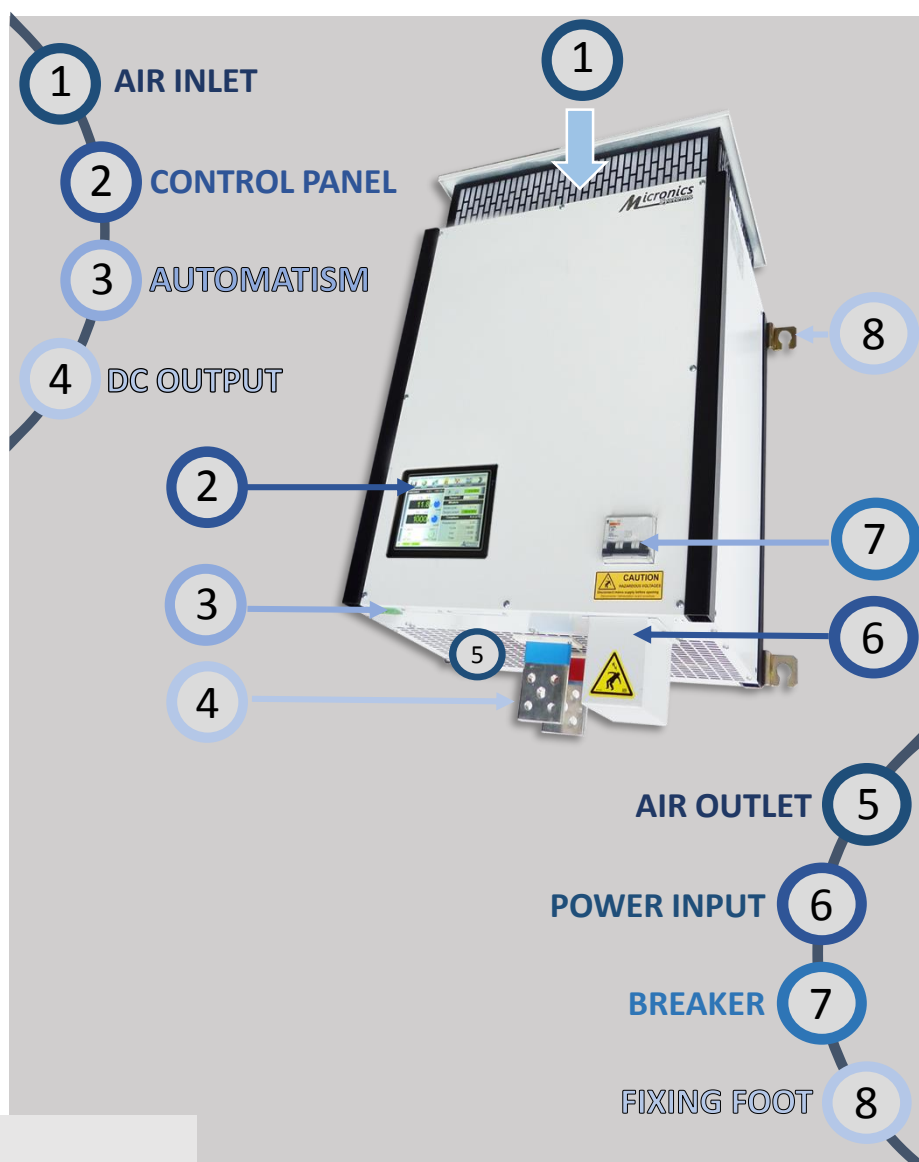
- U and I Inputs/Outputs
- 0-10V or 4-20 mA isolated 1500 Vrms

A-h T.J.P Counter

Polarity Inverter

Tension or Intensity Ramp

Timer



Dimensions

Width : 450 mm | Height : 620 mm | Depth : 300 mm

