

## MICROSWITCH MGT6

**DC OUTPUT :**  
2500 A | 3000 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

MGT6 (3000 Amps Max. )			
Power	Up to 30 kW		
Weight	110 kg		
Volts	Amps		
8	2500		3000
10	2500		3000
12	2500		3000
16		2000	
20		1500	
25		1250	
30		1000	
40		750	
50		800	
60		500	
80		400	
100		300	

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 MGT6

**MGT6: 3000 A (Max)**  
Weight : 110 Kg

## AC Input

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

## DC Output

Power	30 kW
Voltage	0 to 100V
Current	0 to 3000 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:

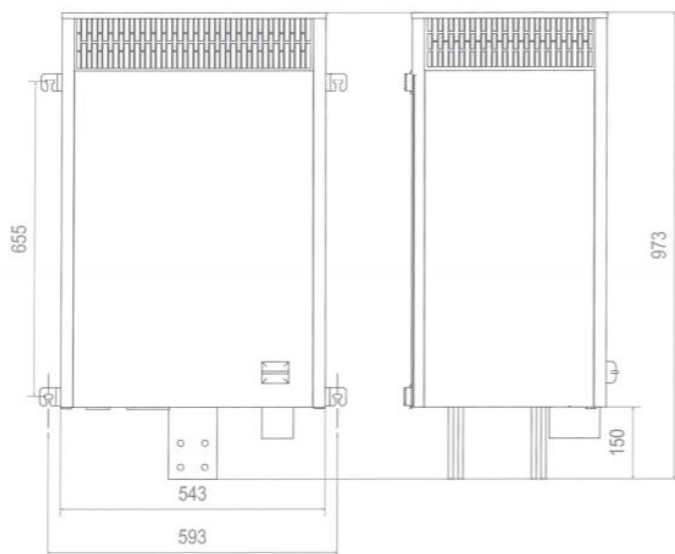
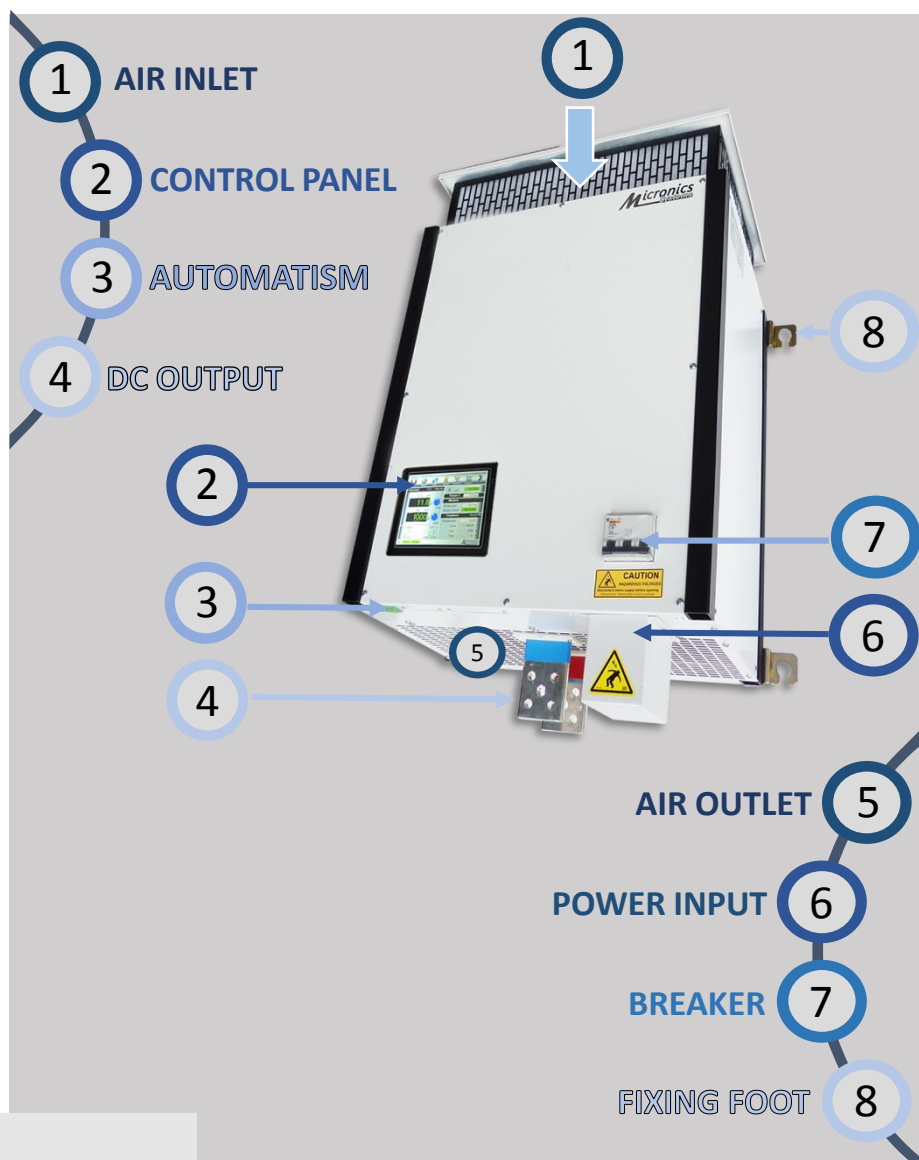
- U and I Inputs/Outputs
- 0-10V or 4-20 mA isolated 1500 Vrms

A-h T.J.P Counter

Polarity Inverter

Tension or Intensity Ramp

Timer



### Dimensions

Width : 540 mm | Height : 820 mm | Depth : 450 mm

