



DATASHEET

MPSU 1500-48-IB
**INDUSTRIAL GRADE POWER SUPPLY
WITH INTEGRATED BRAKING CHOPPER**

MPSU 1500/48

POWER SUPPLY

380 - 480 V_{AC} -> 48 V_{DC} 1500 W

- 30 A / 1.500 W continuous
- 65 A / 3.200 W peak for 1 second
- 3~AC 380-480 V wide-range input
- 97 % full load and excellent partial load efficiencies
- 6W no-load power consumption only
- Braking resistor up to 50 A & 750 J
- Remote on/off
- DC-OK Relay Contact

The MPSU 1500/48 is an industrial grade DIN-Rail power supply for the 3-phase mains system, perfectly suitable for driving Synapticon SOMANET and ACTILINK actuators.

Multiple units can be combined to power several axes or groups of axes in one machine. Up to 2 units can be used in parallel in order to achieve increased power-output for one axis (or axes group) by active load sharing.

The integrated chopper-resistor can absorb regenerative energy from braking DC/EC-motors.

High immunity to transients and power surges as well as low electromagnetic emissions and an international approval package makes the use in nearly every application possible.

ESSENTIAL SPECIFICATIONS:

Output voltage	DC 48 V +5% / -0%
Output power	30 A / 1.500 W continuous @ +40 °C 65A / 3.200W _{peak} 1 second @ +40 °C
Input voltage	3 AC 380 - 480 V +15% / -10%
Power factor	typ. 0,93
AC Inrush current	max. 6 A
Efficiency	typ. 97 % @ nominal load
Losses	<6W @ no-load <60W @ nominal load
Temperature range	-30 °C to +70 °C
Derating linearly	+40 °C to +70 °C @ 2,5% / K
Size (wxhxd)	160 x 124 x 142 mm
Weight	2000 g / 4,4 lb

