

MPure™ DC POWER SUPPLY MP36.4800

CONTROLLABLE POWER SUPPLY UNIT 3-PHASE 400V:

Switched AC/DC converter – DC voltage and current supply unit – universal controllable module

- Adjustable output voltage and current in a wide range
- Remote control by CAN BUS or optionally by RS485
- Integrated excess current and voltage protection
- Galvanic input/output separation
- Isolation transformer is not required
- 3-phase 400V input power supply

DESCRIPTION:

Switch mode power supply to convert AC to DC current at very high efficiency. The switch mode technology provides a stable DC current with low ripple to ensure stable MPure™ stack operation. The power supplies are designed for heavy duty industrial applications. Each power supply is sized to power one MPure™ 36 stack. The unit is enclosed in a metal casing and multiple power supplies can be connected in parallel. The modular design simplifies installation and operation of the units. The galvanic input/output separation eliminates the need for an isolation transformer.

TECHNICAL DATA:

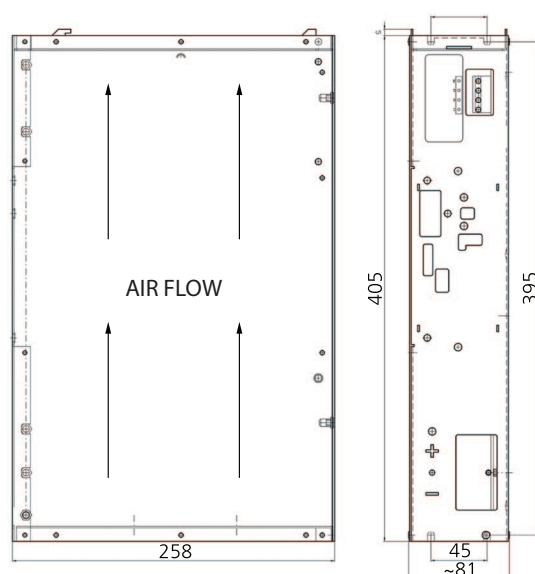
INPUT	
Rated supply voltage	3f 400 V, 50/60 Hz
Input supply voltage range	3f 360...460 VAC
Rated power input	5550 VA
Nominal input current	8.0 A
Inrush current	<Inom
Recommended input protection	3P 10 A, characteristic C
OUTPUT	
Rated output voltage	220 V DC
Output voltage adjustability	0...300 VDC
Output voltage tolerance	±1 %
Output voltage ripple	<0.5 Vpp
Rated output current	16 A
Output current adjustability	0...16 A
Output current tolerance	±2 %
Efficiency	94 %





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CONNECTIBILITY, IP PROTECTION	
Weight	9 kg
Panel mounting	4xscrew M6
Operating conditions	–10 °C to +40 °C, max. relative humidity 80 %, non-condensating
Storage	in dry rooms –25 °C to +80 °C, max. relative humidity 80 %, non-condensating
Protection	IP20
Input/Output	1–16 mm ²
OUTPUT PROTECTION	
Independent excess voltage protection	<340 V
Current protection by fuse	✓
Electronic current protection	✓
Reversion of polarity protection	✓
SAFETY	
LVD	EN 60950-1
Protection class	1
Contamination class	2
EMC	
EMC emissions	EN 61000-6-4
EMC resistivity	EN 61000-6-2
Harmonic current emissions	EN 61000-3-2



Dimension chart (mm)



DC Rectifier with communication transmitter.