Contatti REO Italia:
+39 030 279 3883 •
info@reoitalia.it

REOTRON SMP-LM

Benchtop



Unique Selling Point

- Very good cos PHI of 0,95
- Power Factor Correction
- Compact dimensions
- Series or parallel connection
- Air or water cooled
- Many options of combinations for different requirements with other
- REO product ranges

Description

The REOTRON SMP power supplies are primary switched power supplies with galvanic separation from the input to the output. They can be used as voltage, current or power regulators.

Operation
The unit can be operated from an internal display, external control signals of 0...+10V, 0(4)... 20mA or optionally by a fieldbus interface such as DeviceNet, ProfiBus, CanBus, EtherCAT, EtherNet/IP and ProfiNet protocols.

Input devices
The device input is designed for connection to a three-phase mains 3 x 400 V, 50/60 Hz. The compliance of EMC standards is guaranteed by an input-sided PFC-mains filter.

Design
The devices have a compact design in a 19 inch rackmount chassis and can be delivered as a installation ready control cabinet version or as a tabletop unit (lab version). The devices are air- or water-cooled.

Connection
The SMP's are connected via screw terminals and with cooper terminal buses at high output currents. Like all REO-products, the REOTRON SMP's are also available as customized versions.

High range of performance
The units can be combined to power supplies with higher ratings by connecting the units in series or parallel.

Technical Data

- Output voltage : 25 - 600 V
- Output Current : 2 - 600 A
- Output power : 1000 - 15000 W

Last modified: 27.03.2018. All data is provided to the best of our knowledge and awareness and is subject to error and amendment.

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Technical Data

Type	REOTRON SMP-LM
Input voltage:	3x400 V, +/- 10 %, 50/60 Hz
Ripple p-p:	100 mV/200 mV
Setpoint Input:	0...+10 V, DC 0(4)...20 mA, Potentiometer 10 kOhm internal control over display
Actual Output:	0...+10 V, DC 0(4)...20 mA, internal control over display
Interfaces (optional)	DeviceNet, ProfiBus, CanBus, EtherCAT, EtherNet/IP, ProfiNet
Control accuracy:	1% of the nominal value (higher on request)
Rating:	24 V, DC or contact
Protection:	Cabinet installation IP 20
2 x relay status:	Changer 250 V, 1A
Efficiency:	> 85 %
Cos Φ:	0,95
PFC:	0,94
Operating temperature:	0...+45 °C
Standards:	EN 50178, EN 61000-6-2, EN 61000-6-4

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REO series	SMP-LM 25-40	SMP-LM 25-100	SMP-LM 25-200	SMP-LM 25-300	SMP-LM 25-400	SMP-LM 25-500	SMP-LM 25-600
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...25	0...25	0...25	0...25	0...25	0...25	0...25
Output current [A]	0...40	0...100	0...200	0...300	0...400	0...500	0...600
Dimensions [BxTxHE]	482x406/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

REO series	SMP-LM 50-20	SMP-LM 50-50	SMP-LM 50-100	SMP-LM 50-150	SMP-LM 50-200	SMP-LM 50-250	SMP-LM 50-300
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...50	0...50	0...50	0...50	0...50	0...50	0...50
Output current [A]	0...20	0...50	0...100	0...150	0...200	0...250	0...300
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

REO series	SMP-LM 80-13	SMP-LM 80-31	SMP-LM 80-63	SMP-LM 80-94	SMP-LM 80-125	SMP-LM 80-1	SMP-LM 80-13
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...80	0...80	0...80	0...80	0...80	0...80	0...80
Output current [A]	0...13	0...31	0...63	0...94	0...125	0...156	0...188
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

REO series	SMP-LM 150-7	SMP-LM 150-17	SMP-LM 150-33	SMP-LM 150-50	SMP-LM 150-67	SMP-LM 150-83	SMP-LM 150-100
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...150	0...150	0...150	0...150	0...150	0...150	0...150
Output current [A]	0...7	0...17	0...33	0...50	0...67	0...83	0...100
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

REO series	SMP-LM 250-40	SMP-LM 250-10	SMP-LM 250-20	SMP-LM 250-30	SMP-LM 250-40	SMP-LM 250-50	SMP-LM 250-60
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...250	0...250	0...250	0...250	0...250	0...250	0...250
Output current [A]	0...4	0...10	0...20	0...30	0...40	0...50	0...60
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

REO series	SMP-LM 400-2,5	SMP-LM 400-6,25	SMP-LM 400-12,5	SMP-LM 400-18,75	SMP-LM 400-25	SMP-LM 400-31,25	SMP-LM 400-37,5
Output power [W]	0...1000	0...2800	0...5200	0...7600	0...10000	0...12800	0...15000
Output voltage [V]	0...400	0...400	0...400	0...400	0...400	0...400	0...400
Output current [A]	0...2,5	0...6,25	0...13	0...19	0...25	0...32	0...37,5
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

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REO series

	SMP-LM 250-40	SMP-LM 250-10	SMP-LM 250-20	SMP-LM 250-30	SMP-LM 250-40	SMP-LM 250-50	SMP-LM 250-60
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...250	0...250	0...250	0...250	0...250	0...250	0...250
Output current [A]	0...4	0...10	0...20	0...30	0...40	0...50	0...60
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

REO series	SMP-LM 400-2,5	SMP-LM 400-6,25	SMP-LM 400-12,5	SMP-LM 400-18,75	SMP-LM 400-25	SMP-LM 400-31,25	SMP-LM 400-37,5
Output power [W]	0...1000	0...2800	0...5200	0...7600	0...10000	0...12800	0...15000
Output voltage [V]	0...400	0...400	0...400	0...400	0...400	0...400	0...400
Output current [A]	0...2,5	0...6,25	0...13	0...19	0...25	0...32	0...37,5
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

REO series	SMP-LM 600-2	SMP-LM 600-4	SMP-LM 600-8	SMP-LM 600-13	SMP-LM 600-17	SMP-LM 600-21	SMP-LM 600-25
Output power [W]	0...1200	0...2400	0...4800	0...7800	0...10200	0...12600	0...15000
Output voltage [V]	0...600	0...600	0...600	0...600	0...600	0...600	0...600
Output current [A]	0...2	0...4	0...8	0...13	0...17	0...21	0...25
Dimensions [BxTxHE]	434x465/4HE	434x465/4HE	434x465/4HE	434x465/4HE	434x465/6HE	434x465/6HE	434x465/6HE

Dimension drawing

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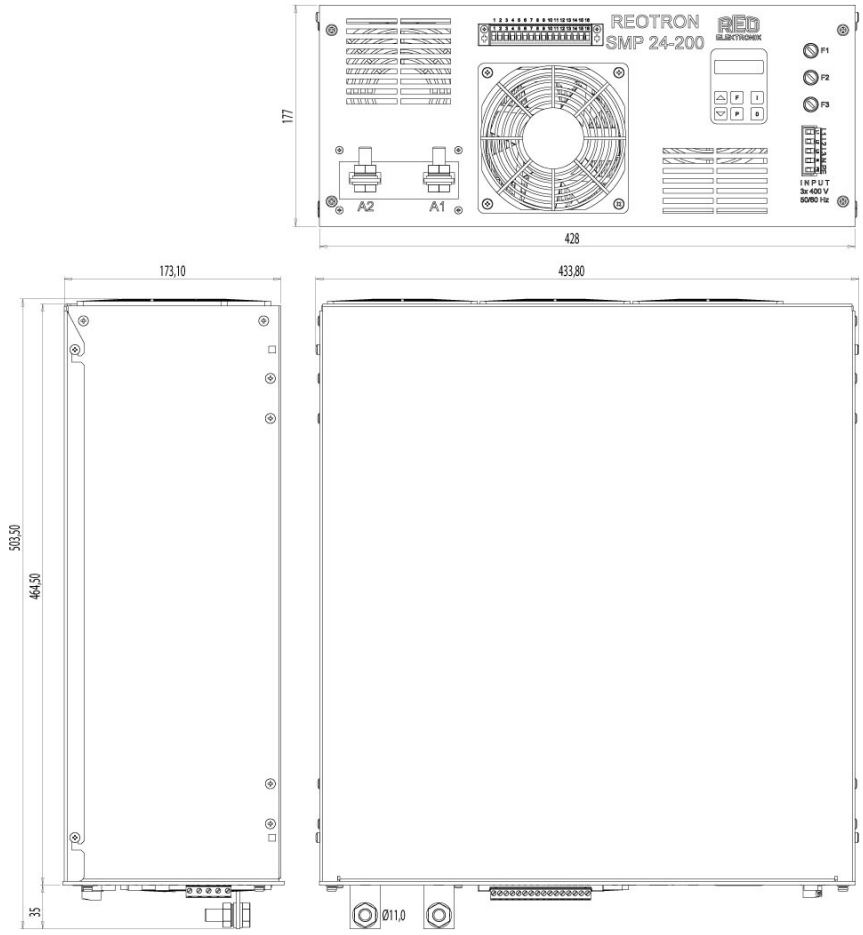
REOTRON
SMP 24-200
RED ELEKTRONIK
F1
F2
F3
P
I
P
D
A2
A1
INPUT
3x 400 V
50/60 Hz
177
428
173,10
433,80
503,50
464,50
35
Ø11,0