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

REOTRON SMP-ESM

19“ Plug-In module



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
- Input voltage switchable : Eingangsspannung umschaltbar [V] V

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Technical Data

Type	REOTRON SMP-ESM
Input voltage:	3 x 400 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 und 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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Type SMP ESM 25-	40	100	200	300	400	500	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 [BxTxH]	482x406/3HE	482x406/3HE	482x406/3HE	482x406/3HE	482x406/6HE	482x406/6HE	482x406/6HE

Type SMP ESM 50-	20	50	100	150	200	250	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 [BxTxH]	482x406/3HE	482x406/3HE	482x406/3HE	482x406/3HE	482x406/6HE	482x406/6HE	482x406/6HE

Type SMP-ESM 80-	13	31	63	94	125	156	188
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 [BxTxH]	482x406/3HE	482x406/3HE	482x406/3HE	482x406/3HE	482x406/6HE	482x406/6HE	482x406/6HE

Type SMP-ESM 150-	7	17	33	50	67	83	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 [BxTxH]	482x406/3HE	482x406/3HE	482x406/3HE	482x406/3HE	482x406/6HE	482x406/6HE	482x406/6HE

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Type SMP-ESM 250-	4	10	20	30	40	50	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 [BxTxH]	482x406/3HE	482x406/3HE	482x406/3HE	482x406/3HE	482x406/6HE	482x406/6HE	482x406/6HE

Type SMP-ESM 400-	2,5	6,25	13	19	25	32	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 [BxTxH]	482x406/3HE	482x406/3HE	482x406/3HE	482x406/6HE	482x406/6HE	482x406/6HE	482x406/6HE

Type SMP-ESM 600-	2	4	8	13	17	21	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 [BxTxH]	482x406/3HE	482x406/3HE	482x406/3HE	482x406/6HE	482x406/6HE	482x406/6HE	482x406/6HE

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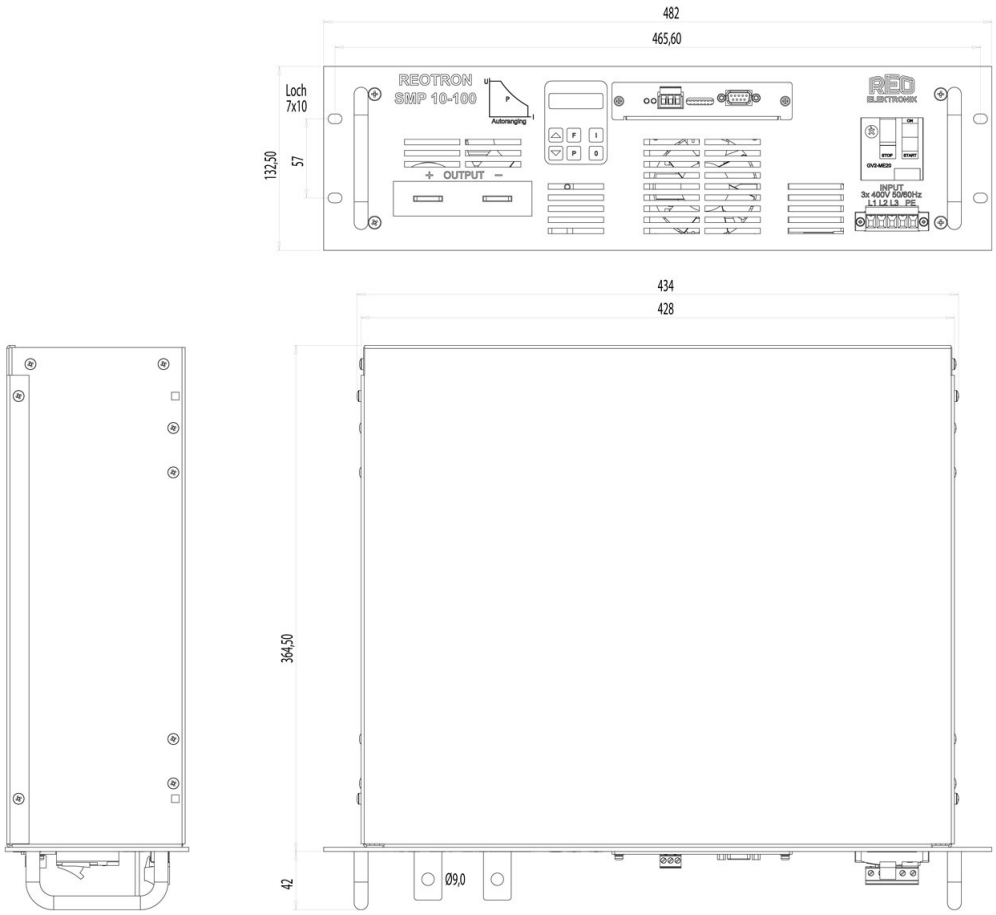
Dimension drawing



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