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

REOTRON SMP-ESH



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 : 10 - 80 V
- Output Current : 10 - 60 A
- Output power : 200 - 1400 W
- Input voltage switchable : Eingangsspannung umschaltbar [V] V

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Technical Data

Type	REOTRON SMP-ESH
Input voltage:	3 x 400 V, +/- 10 %, 50/60 Hz 230 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 and 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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Series SMP-ESH 10-	10	20	30	40	50	60
Output power [W]	0...100	0...200	0...300	0...400	0...500	0...600
Output voltage [V]	0...10	0...10	0...10	0...10	0...10	0...10
Output current [A]	0...10	0...20	0...30	0...40	0...50	0...60
Dimensions [BxHxT]	217x133x386	217x133x386	217x133x386	217x133x386	217x133x386	217x133x386

Series SMP-ESH 20-	10	20	30	40	50
Output power [W]	0...200	0...400	0...600	0...800	0...1000
Output voltage [V]	0...20	0...20	0...20	0...20	0...10
Output current [A]	0...10	0...20	0...30	0...40	0...50
Dimensions [BxHxT]	217x133x386	217x133x386	217x133x386	217x133x386	217x133x386

Series SMP-ESH 30-	10	20	30	40
Output power [W]	0...300	0...600	0...900	0...1200
Output voltage [V]	0...30	0...30	0...30	0...30
Output current [A]	0...10	0...20	0...30	0...40
Dimensions [BxHxT]	217x133x386	217x133x386	217x133x386	217x133x386

Series SMP-ESH 40-	10	20	30
Output power [W]	0...400	0...800	0...1200
Output voltage [V]	0...40	0...40	0...40
Output current [A]	0...10	0...20	0...30
Dimensions [BxHxT]	217x133x386	217x133x386	217x133x386

Series SMP-ESH 50-	10	20	10	20	10	20	10
Output power [W]	0...500	0...1000	0...600	0...1200	0...700	0...1400	0...800
Output voltage [V]	0...50	0...50	0...60	0...60	0...70	0...70	0...80
Output current [A]	0...10	0...20	0...10	0...20	0...10	0...20	0...10
Dimensions [BxHxT]	217x133x386	217x133x386	217x133x386	217x133x386	217x133x386	217x133x386	217x133x386

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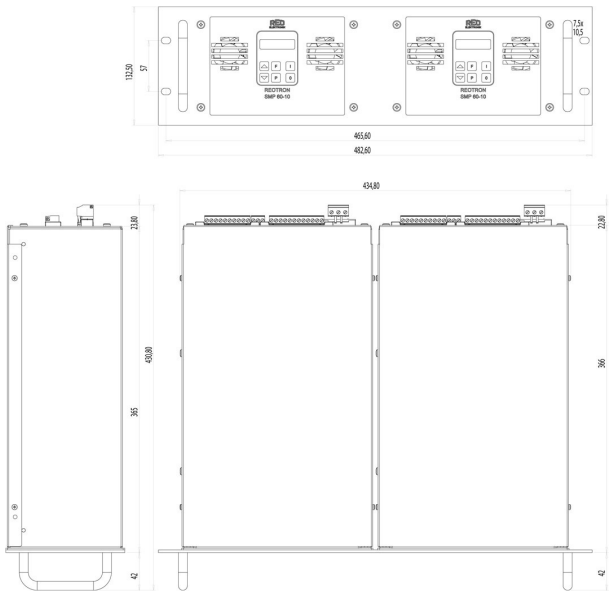
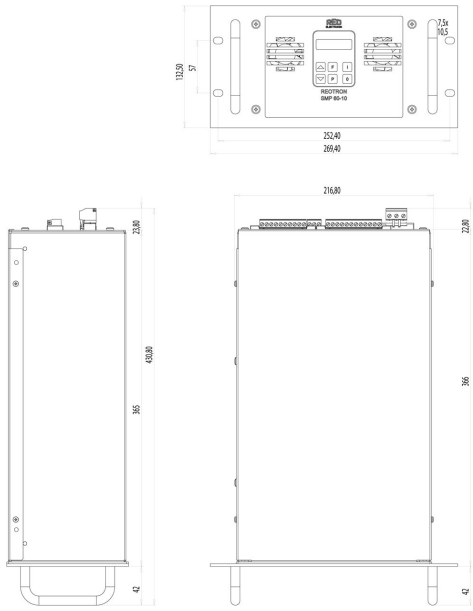
Dimension drawings





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