

## Adjustable DC Power Supplies PME-R1

### Standard configuration

- ▶ Voltage and current are infinitely adjustable
- ▶ Ah counter for battery charging
- ▶ Charge timer (time programmable)
- ▶ AC connection via rubber connector
- ▶ DC connection via 4-pin connector
- ▶ Mains switch with visual display
- ▶ Automatic power supply device, current circuit breaker
- ▶ Polarity reversal protection at DC output
- ▶ Digital voltage and ampere meter



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## Technical Data

▶ Input voltage	230 V/AC +10% -20%
▶ Input frequency	45 – 66 Hz
▶ Input current	max. 12 A
▶ Rated power data	
a) Power factor	cos phi = 0,99
b) Efficiency factor	> 90%
▶ Output voltage ripple	0,3 % Peak-to-Peak of 24V to 220V 1mV for 24V, 2mV for 48V-60V as per CCITT Standard as per IU under DIN 41773
▶ Characteristic curve	
▶ Continuous short-circuit proofing	
▶ Cooling method:	Self-cooling with temperature controlled fans
▶ Protection class:	Class 1
▶ Protection type:	IP20
▶ Environmental conditions:	
a) Ambient temp.:	-10°C to +40°C
b) Relative humidity:	5% to 80%, non-condensing
c) Degree of pollution	2
▶ Installation height:	1000m NN
▶ Noise level:	< 53 dB(A) at 1m distance
▶ In steel-sheet housing	
▶ Color	RAL 7035
▶ Dimensions H x W x D	315 x 445 x 300 mm

## Standards and provisions

- ▶ Security as per EN60950; VDE 0100 Part 410  
Accident prevention regulations BGV A2; EN 60146
- ▶ EMC as per EN 55022 Limit Class B  
EN 61000-4 Part 2-5

## Type Table PME-R1

Device type	Input - voltage [ V-AC ]	Input - current max [ A-AC ]	Output - voltage [ V-DC ]	Output - current [ A-DC ]	Devices Weight [ kg ]
PME-R1/40-54	230 V	12,0 A	0 - 40 V	0 - 54 A	16,0 kg
PME-R1/54-46	230 V	12,0 A	0 - 54 V	0 - 46 A	16,0 kg
PME-R1/72-27	230 V	12,0 A	0 - 72 V	0 - 27 A	16,0 kg
PME-R1/150-20	230 V	12,0 A	0 - 150 V	0 - 20 A	16,0 kg
PME-R1/300-10	230 V	12,0 A	0 - 300 V	0 - 10 A	16,0 kg

- ▶ Other power ratings on request
- ▶ Right of technical modification reserved.