

## Variable DC Power Supply PME-R3

### General Information / Areas of Application

You can power your electrical and electronic devices quickly and easily on the go with the **PME-R3** variable DC power supply/battery charger.

Voltage and current can be variably adjusted depending on the usage scenario.

Moreover, the integrated functions of the multifunctional **PME-R3** energy station enable charging of all common battery types up to a charging voltage of 300 V.

With its compact lightweight design, high power/weight ratio and limitless range of applications, the **PME-R3** should be part of the standard kit of every service/emergency vehicle.

The **PME-R3** is reliable and simple to use, giving you complete independence while on the go.

### Standard Features

- ▶ Voltage and current are infinitely adjustable
- ▶ Ah counter for battery charging
- ▶ Charge timer (time programmable)
- ▶ AC connection via 5-pin connector
- ▶ DC connection via 4-pin connector
- ▶ Can be switched on/off using buttons with visual status display
- ▶ Circuit breaker, DC safety cutout (to 81 A)
- ▶ Polarity reversal protection at DC output
- ▶ Digital voltmeter and ammeter



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## Technical Data

▶ Input voltage	3 x 400 / 230 V/AC +10% -20%
▶ Input frequency	45 – 66 Hz
▶ Input current	max. 36 A
▶ Data for rated power	
a) Power factor	cos phi = 0.99
b) Efficiency factor	> 90%
▶ Ripple of output voltage:	0.3% peak-to-peak from 24 V to 220 V 1 mV for 24 V, 2 mV for 48 V – 60 V as per CCITT (ITU-T) Standard According to DIN 41773
▶ IU characteristic curve	
▶ Sustained short circuit-proof	
▶ Cooling type	Self-cooling with temperature-controlled fan
▶ Protection class	Class 1
▶ Degree of protection	IP20
▶ Ambient conditions	
a) Ambient temperature:	-10°C to +40°C
b) Relative humidity:	5% to 80%, noncondensing
c) Degree of pollution:	2
▶ Installation height	1000 m above sea level
▶ Noise level	< 53 dB(A) at a distance of 1 m
▶ Housing material	Sheet steel; powder coated
▶ Color	RAL 7035
▶ Dimensions (Height x Width x Depth)	570(620) x 450 x 300 mm
▶ Weight	34 kg

## Standards and Specifications

- ▶ Safety according to EN 60950; VDE 0100 Part 410  
Accident prevention regulation BGV A2; EN 60146
- ▶ EMC as per EN 55022 limit value class B  
EN 61000-4 Parts 2-5

## Type Table PME-R3

Device type	Input voltage [ V-AC ]	Input current (max) [ A-AC ]	Output voltage [ V-DC ]	Output current [ A-DC ]	Device weight [ kg ]
PME-R3/40-162	3 x 400 / 230 V	3 x 12 A	0 - 40 V	0 - 162 A	34.0 kg
PME-R3/54-138	3 x 400 / 230 V	3 x 12 A	0 - 54 V	0 - 138 A	34.0 kg
PME-R3/72-81	3 x 400 / 230 V	3 x 12 A	0 - 72 V	0 - 81 A	34.0 kg
PME-R3/150-60	3 x 400 / 230 V	3 x 12 A	0 - 150 V	0 - 60 A	34.0 kg
PME-R3/300-30	3 x 400 / 230 V	3 x 12 A	0 - 300 V	0 - 30 A	34.0 kg

- ▶ Other power ratings on request.
- ▶ Technical specifications are subject to change without notice.