



EPS - Datasheet

Series EPS/SR

The Inverter Series »EPS/SR« of Electronic Power Supplies provide pure sine wave output voltage. The AC output voltage (230V/50Hz) is available at a socket to power equipment such as computers, notebooks, TV receivers etc., as well as some industrial equipment.

The Inverters have a total efficiency of most more than 90% (DC output) and/or 97% (AC output) and are equipped with extensive protection facilities such as overload/overheat and battery protection. In- and output are isolated.

The microprocessor controlled series »EPS/SR« with a power of 1000VA has adjustable output voltages of 1150V and 230V. The LCD and LED display signals the parameters.

The Bypass relay is On/Off line selectable; The switching time are from AC Bypass Mode ≤ 9 ms and from DC to AC Inverter mode ≤ 7 ms.

The 19" inverters can be controlled via a RS232 Interface, too. Additional these units provide a reverse polarity protection.

The series »EPS/SR« with a 1600VA power, on the other hand, has zero transfer time. These can be controlled via the standard RS485 interface (Modbus).

Up to 32 modules can be operated in parallel (hot-swappable) to build up a power of up to 51.2kW. For safety, the 1600VA inverters can be switched off via emergency OFF (EP mode).

The inverters with bypass are used, e.g. in the power supply of server cabinets.

More output power are:

Input voltages 110V/220V/400V DC single- and threephase as well as output voltages 110V - 240V AC single-phase and 200V - 415V AC threephase at 5 - 650k VA.

Energy Efficiency: Latest MOS technology, high efficiency

Scope of delivery:

Inverter

Manual

EPS/S1600 Plus-148R Sine Wave Inverter



EPS/S1600plus

General data

Technology	Sinus/Sine Inverter
Mains	120VAC (75-132V) +-3%
Input frequency	47-53/57-63Hz sync.
Display	LCD/LED
Response time Voltage	0 Transferzeit/time
Overheat protection	Standard
Protection class	IP20
Parallel operation	Standard
Cooling	Fan
Operation temperature	-25 ~ +40°C derating
Storage temperature	-40...+70°C
Humidity	95% n.c.
Attitude	<2000m /UL
Design	Built-in
Standards	EEN62368-1, EN55032/55024, EN61000-3-2/3, 4-4/5/6/8/U
Alarmmanagement	Buzzer

Interfaces

RS485 Interface	Standard
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Technical data

Output Voltage	120VAC (100-120V) +-3% se
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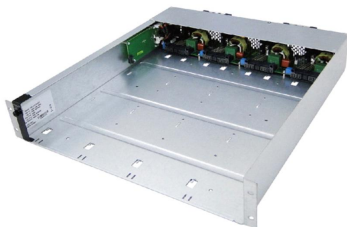
Series EPS/SR

Technical data

Output Power	1600VA/1200W
Input Voltage	48 VDC (36-68V) +-3%
Input Current	37A (60Ap)
Crest factor	DC: 3xIn
Distortion	<3% (>80%)
Output Frequency	50/60 Hz
Frequency Accuracy	+,-0,01%
Efficiency	87%
Dimensions in mm (WxHxD)	105 x 83 x 410
Weight	3,8 kg
Order code	600263

Options

Option 1	19" Shelf EPS/S1600-R
Option 2	By-pass switch EPS/S1600-BP



EPS/S1600 19" Frame

Subject to modification without notice, errors and omissions excepted

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