

# -L-a-v-a-L-I-N-E © SERIES

## Inverter LAV4000-K10

- Efficiency > 88%
- Up to 12 parallel inverter per external controller
- Without 50 Hz transformer
- High-frequent switching
- Robust IGBT-end-stage
- Low output impedance
- 19"-plug-in case



Picture may differ from actual device

## Specifications

### General

Electrical safety	EN 60950, VDE 0805
Efficiency	>88% by nominal load
Galvanic isolation	3.75kV <sub>DC</sub>
EMC (emission)	EN 50081-1 Curve EN 55022B
EMC (immunity)	EN 50082-2
Operating temperature	-5 to +50°C non condensing +50 to +70°C, 2%/K derating

### Input DC

LAV4000-48/60	48/60 (38-72) V <sub>DC</sub>
LAV4000-110	110 (88-132) V <sub>DC</sub>
LAV4000-220	220 (176-264) V <sub>DC</sub>

### Output AC

Voltage	230V <sub>AC</sub> failure tolerance +/-5%
Frequency	50/60 Hz, sinewave processor controlled
Output power	4 kVA / 3200W
Power factor	0.8
Load range	0-100%
Crestfactor	>2.5
Harmonic distortion	<3%

### Signals

visual	LEDs for load display and PG/ ON, two digit seven segment display of address
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### Operation

push-button for address setting,  
battery switch

### Warranty

24 months

### Housing

19"- plug-in case	
Size	3 HE/ 84 TE, 360 mm depth
Weight	approx. 12.50 kg
Classification	IP 20
Ventilation	internal fan

### Electrical connections

Connectors	Front
Input DC	3 high current terminal blocks 16 mm <sup>2</sup>
Output AC	Phoenix Power-Combicon 3-pole
Bus	2x RJ45 S-UTP

### Technical Features

The LED bar on the front panel reads the output power of the inverter. Each LED signals 25% nominal load.

### Parallel connection of modules

All inverters are connected with one another by CAT5 cables. Each inverter has its own address to identify itself on the bus to the controller.

The two digit seven segment display on the front panel reads the current address of the particular inverter module.

### Order Code

e.g. LAV4000 - 48/60 - 230 - K10

Type	P / VA	U <sub>in</sub> / VDC	U <sub>out</sub> / VAC	Options
LAV	-	4000	48 / 60	230
			110	
			220	

Separate values by hyphen (-) , append options where applicable