Exista POWER SUPPLIES
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let's talk!

-L-a-v-a-L-I-N-E © SERIES

Inverter LAV2000-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$_{DC}$
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

LAV2000-24	24 (19-31) V$_{DC}$
LAV2000-48/60	48/60 (38-72) V$_{DC}$
LAV2000-110	110 (88-132) V$_{DC}$
LAV2000-220	220 (176-264) V$_{DC}$

Output AC

Voltage	230V$_{AC}$ (115V$_{AC}$ upon request), failure tolerance +/-5%
Frequency	50/60 Hz, sinewave processor controlled
Output power	2 kVA / 1600W
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

Operation

push-button for address setting, (battery switch)

Warranty

24 months

Housing

Size	19"- plug-in case
Weight	3 HE/ 84 TE, 360 mm depth
Classification	app. 12 kg
Ventilation	IP 20
	internal fan

Electrical connections

Connectors	Front
Input DC	3 high current terminal blocks 16 mm^2
Output AC	1 Phoenix Power-Combicon 3-pole
Bus	2 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. LAV2000 - 48/60 - 230 - K10

	Type	P / VA	U_{IN} / VDC	U_{OUT}/ VAC	Options
LAV	-	2000		230 (115)	-
			24		
			48 / 60		
			110		
			220		

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