

# -L-a-v-a-L-I-N-E © SERIES

## Controller

- Up to 12 inverters connectable
- Mixed inverter output power detection
- Storage of up to 256 system events, i.e. alarms
- Alarm report auto-sent via optional modem
- Configurable via buttons or terminal program
- Monitoring of DC input and mains voltage
- 19"- plug-in case
- Battery buffered real time system clock



Picture may differ from actual device

## Specifications

### General

Electrical safety	EN 60950, VDE 0805
Galvanic isolation	3.75 kV <sub>DC</sub>
EMC (emission)	EN 50081-1
	Curve EN 55022B
EMC (immunity)	EN 50082-2
Operating temperature	-5 to +45°C non condensing

### Input

Input DC	48/60, 110, 220 V <sub>DC</sub>
Input AC	230 V <sub>AC</sub> / 50 Hz (115 V <sub>AC</sub> / 60 Hz upon request)

### Signals

Visual	LCD dot matrix display 2 x 16
Terminal	RS-232 DEE interface, standard terminal program accessible
Alarm contact	2x voltage free

### Electrical connections

Connectors	Front
DC-input	3 terminal blocks 4 mm <sup>2</sup>
Signals	Binder 6-pole connector DIN 45322
Interface	SubD 9-pole RS-232 DEE
Interface Supply	1x RJ11 (12V, 0,5A)
Databus inverter	2x RJ45 S-UTP
Controller OUT	Binder connectors 1x4-pole, 1x7-pole

### Operation

MAIN SWITCH, push-buttons, terminal program

### Housing

Size	19"- plug-in case
Weight	2 HE / 84 TE, 201 mm depth
Classification	app. 2.5 kg
	IP 20

### Warranty

24 months

### Options

1 slot for optional user interface, i.e. LAN, Interbus, LON, etc.

### Factory Defaults DC

Reset, UVP, First Start, Restart Low, Restart High, OVP

### Factory Defaults AC

Overload mains	adjustable from 0 kVA to 50 kVA
Overload inverter	125% for 12s; >125% for 3s.
Overvoltage	+10%, <b>+15%</b> or +20%
Undervoltage	<b>-10%</b> or -15%
Frequency limits	± 3 Hz (bypass-version only)

### Function

Three RISC processors measure DC input voltage, mains and inverter voltage (momentary and effective) and mains frequency. DC input voltage, AC output voltage and output power of the entire system are displayed.

Several system variables are configurable by the user for optimal performance according to the environment the system is used in.

These system configurations are either to be altered non-volatile via 4 push-buttons and the menu display on the front panel, or through any standard terminal program (OS independent) via RS-232 interface.

The controller has a built-in, battery buffered real time system clock. It is used to store up to 256 system events, i.e. alarms, with date and time.

### Order Code

e.g. LAVCON - 48/60 - 230 - 1

Type	P / VA	U <sub>IN</sub> / VDC	U <sub>IN</sub> / VAC	Options
LAV	CON	-	48 / 60	230
			110	115
			220	

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

Options:  
1: 60Hz f<sub>OUT</sub>