



- Sine-wave PWM technology
- Soft-start for motors, realized by output U/f ramp
- Output voltage feedback control
- Current limitation
- Output short-circuit protection
- Automatic restart after a recovery from fault condition
- ✓ 150% short-time overload (for 1 min)
- Operation time counter
- Floating contacts for operational status indication
- Not insulated between input and output
- PC-based diagnostic and setup

## INVERTER FOR METRO CARS EMERGENCY VENTILATION

In 4 countries - Germany, Venezuela, Australia, Czech Republic Over 10 years of experience and reliability More than 2000 units installed

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## Inverter for metro cars emergency ventilation

Static inverter powered by 110V battery for driving emergency ventilation fans with asynchronous motors in metro cars.

## INVERTER CONTROL

Inverter is started by external input signal with configurable delay. Operating point can be configured by external communication.

The operating point is defined by the output voltage and frequency.

## CONSTRUCTION

Coated stainless steel case with removable lid. Connection via connectors (ILME or Harting) The diagnostic line is attached using D-SUB9M connector Exact specification will be agreed upon during implementation THE DEVICES MEET THESE STANDARDS EN 50155, EN 50121, EN 61373

PARAMETER	ELST-1 D3 110/230-0,5	ELST-1 D3 110/230-1	
Rated power	500 VA / 300 W	1000 VA / 600 W	
Nominal input voltage	110	110 V DC	
Input voltage range	77-14	77-140 V DC	
Rated input current	3,5 A	7 A	
Rated output voltage	3 x 2	3 x 230 V	
Rated output current	1,3 A	2,5 A	
Output voltage adjustability	0 to 1	0 to 110 %	
Output voltage stability	±5	±5 %	
Max. output voltage distortion - THD	5	5 %	
Nominal output frequency	50 Hz ±	50 Hz ±0,25 %	
Output frequency adjustability	2,5 to 3	2,5 to 100 Hz	
Input fusing	Built-i	Built-in fuse	
Input side protection	Overvoltage,	Overvoltage, undervoltage	
Remote control	77-140 V	77-140 V DC signals	
State indication	Relay c	Relay contacts	
Indication	OPERATIC	OPERATION, ERROR	
Operating ambient temperature	-25°C to +45°C,	-25°C to +45°C, short time 70°C	
Storage temperature	-25°C t	-25°C to +50°C	
Cover	IP	IP54	
Weight	9 kg	12 kg	
Size (length x width x height)	310 x 400 x 100 mm	310 x 500 x 100 mm	
Colour	RAL 7016, or ot	RAL 7016, or other if requested	
Cooling	Forced air	Forced air circulation	
Efficiency	85 %		

**TECHNICAL PARAMETERS** 



**ELCOM, a. s.** Hudcova 487/76a 612 00 Brno

