Voltage converter INV 24/230 / RACK

Voltage converter 24VDC/230VAC is designed to supply red light circuits in light signals. The converter operates in online UPS mode. On failure in supply voltage the device switches to battery operation guaranteeing continued power supply to circuits. Contemplated converters feature i.a. sinusoidal shape of voltage on input and zero switching time form grid to battery voltage. As a standard, the converter works with battery banks 100Ah, ensuring 2 hours of power supply under the load 6000VA. For smaller loads the suspended power supply time is extended. Built-in battery charger eliminates the need for additional power supply unit. LCD panel on the front displays essential operating parameters of the converter, i.a. battery charging level, input and output voltage, load, etc. Such converters are installed in power supply system SUZ by MONAT.

PARAMETERS

Parametr	Value	Notes
Type	INV 24/230 / RACK	
Rated output	600 VA	
Maximum capacity	1000 VA	
Input Voltage [V]	230VAC	Permitted range: 160 to 300VAC
Input frequency	45 to 55 Hz	
Output voltage	230 VAC	battery operation
Output frequency	50 Hz ± 0.1 Hz	battery operation
	45 to 55 Hz	grid operation
Voltage shape	sinusoid	
Efficiency	up to 90%	
Rated battery voltage	24 VDC	
Battery capacity (for 600 VA / 2 hours)	100 Ah	
Switching time to battery operation	0ms	on-line double processing
By-pass switching time	<4 ms	
Protections	short-circuit on output, low battery charge, overvoltage, undervoltage, overvoltage	By-pass switching time on short-circuit, overload
Operation signalling	control contacts	- grid operation - battery operation - EPO breaker
Assembly, installation	vertical, horizontal	optional installation in RACK cabinet
Dimensions: (W x H x D)	430 x 440 x 86.5 mm	
Weight [kg]	8.9 kg	
Colour	black	
Working (ambient) temperature	0 to 40 °C	
Humidity	20 % ÷ 90 %	