



INVERTER WITH 50 Hz TRANSFORMER

Input voltage: 24, 48, 60, 110 or 220 VDC

Output voltage: 230 V, 50 Hz, sinus wave

Output power: 250 to 1000 VA / W

Type: AI xx – yy RM or WM

(xx – input voltage, yy – output power)

(RM – rack mount, WM – wall mount)

TECNICAL DATA

DC / AC inverter, sinus output
stand alone, industry design

Output voltage:	230 VAC
Wave:	Pure sinus
Adjustment range Uout:	210 – 240 V
Treshold value Uout:	195 V / 245 V
Output frequency:	50 Hz
Output power:	150 to 1.000 VA
Overload capability:	135 % for 10 sek
Shotr circuit:	3 x In @1 sec
Input voltage:	24, 48, 60, 110, 125, 220 VDC
Input voltage range:	- 15 % to +20 %
Efficiency:	≥93% @ P =50%
Crest factor:	≤ 3
THD:	≤ 2 %
LED signalling:	Input voltage, output voltage ByPass status
EN Standards:	EMC, LVD, RoHS
Cooling:	Natural
Mechanical:	Wall maunt case or 19" rack, 2 U
CE label:	Yes
Ambijental temperature:	- 20°C to + 55°C

APPLICATION

This device is designed for use in industrial uninterruptible power supply systems with alternating voltages of 230V which are required to function as high efficiency systems. It is designed for long-term function and service life without special need for maintenance.

A simple ByPass switch (relay) is installed.

DESCRIPTION

This device converts DC voltage into sinusoidal AC voltage. The device consists of two segments.

The input segment is a high-frequency converter that converts the available DC voltage into an AC voltage of a sinusoidal waveform, with a low voltage level. The output segment is a 50 Hz transformer that converts the low AC voltage into a voltage of 230 V, 50 Hz and galvanically isolates the input from the output.

TYPE

RACK MAUNT CASE, 19“, 2U, depth 200 mm

		POWER			
		250 VA/W	500 VA/W	750 VA/W	1000 VA/W
I N P U T	24 VDC	AI 24 – 250 RM	AI 24 – 500 RM	-	-
	48 VDC	AI 48 – 250 RM	AI 48 – 500 RM	AI 48 – 500 RM	-
	60 VDC	AI 60 – 250 RM	AI 60 – 500 RM	AI 60 – 750 RM	AI 60 – 1000 RM
	110 VDC	AI 110 – 250 RM	AI 110 – 500 RM	AI 110 – 750 RM	AI 110 – 1000 RM
	220 VDC	AI 220 – 250 RM	AI 220 – 500 RM	AI 220 – 750 RM	AI 220 – 1000 RM
Weight kg		6,4	9,8	12,2	15,2



WALL MAUNT CASE

		POWER				
		125 VA/W	250 VA/W	500 VA/W	750 VA/W	1000 VA/W
I N P U T	24 VDC	AI 24–125WM	AI 24–250WM	AI 24–500WM	-	-
	48 VDC	AI 48–125WM	AI 48–250WM	AI 48–500WM	AI 48–750WM	-
	60 VDC	AI 60–125WM	AI 60–250WM	AI 60–500WM	AI 60–750WM	AI 60–1000WM
	110 VDC	AI 110–125WM	AI 110–250WM	AI 110–500WM	AI 110–750WM	AI 110–1000WM
	220 VDC	AI 220–125WM	AI 220–250WM	AI 220–500WM	AI 220–750WM	AI 220–1000WM

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