



INVERTER WITH VF TRANSFORMER

Input voltage: LV (20 to 70 VDC)
HV (95 to 260 VDC)

Output voltage: 230 V, 50 Hz, sinus wave

Output power: 250 to 1000 VA / W

Type: ASI LV – xx, ASI HV – xx

LV/HV – input voltage

(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:	250 to 1.000 VA
Overload capability:	135 % for 10 sek
Shotr circuit:	3 x In @ 1 sec
Input voltage:	LV (20-70 VDC) HV (95-260 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.

The device also contains an automatic ByPass switch.

DESCRIPTION

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

The input circuit is a DC/DC converter that converts the available input DC voltage into a stable voltage of 400 VDC and galvanically isolates the input from the output. The output circuit is an inverter that converts 400 VDC into an alternating voltage of 230 V, 50 Hz, with a regular sine wave form. A static automatic ByPass switch is built into the device.

TYPE

RACK MAUNT CASE, width 19“, heigh 1U, depth 250 mm

	POWER			
	250 VA/W	500 VA/W	750 VA/W	1000 VA/W
INPUT VOLTAGE				
LV (20 TO 70 VDC)	ASI LV 250 RM	ASI LV 500 RM	ASI LV 750 RM	ASI LV 1000 RM
HV (95 TO 270 VDC)	ASI HV 250 RM	ASI HV 500 RM	ASI HV 750 RM	ASI HV 1000 RM



WALL MAUNT CASE

	POWER			
	250 VA/W	500 VA/W	750 VA/W	1000 VA/W
INPUT VOLTAGE				
LV (20 TO 70 VDC)	ASI LV 250 WM	ASI LV 500 WM	ASI LV 750 WM	ASI LV 1000 WM
HV (95 TO 270 VDC)	ASI HV 250 WM	ASI HV 500 WM	ASI HV 750 WM	ASI HV 1000 WM

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