

Inverter INV40X00SFP

- Efficiency > 88%
- With parallel mode module
- Without 50 Hz transformer
- High-frequent switching
- Robust IGBT-end-stage
- Low output impedance
- 19"- plug-in case



Picture may differ from actual device

Specifications

General

Electrical safety	EN 60950, VDE 0805
Efficiency	>88% by nominal load
Galvanic isolation	3,75 kV _{DC}
EMC (emission)	EN 50081-1 curve EN 55022B
EMC (immunity)	EN 50082-2
Operating temperature	-5°C to +45°C

Input DC

INV40300	48-60 (38-72) V _{DC}
INV40500	110 (88-132) V _{DC}
INV40600	220 (178-264) V _{DC}

Output AC

Voltage	230 V _{AC} failure tolerance \pm 5%
Frequency	50 Hz, sinewave processor controlled
Output power	4 kVA / 3200W
Power factor	0,8
Load range	0 - 100%
Crestfactor	>2,5
Harmonic distortion	<2%

Signals

Visual	LEDs for load display and PG/ON
Signal output	voltage free alarm contact

Operation

push-button for setup,
main switch

Warranty

24 months

Housing

Size	19"- plug-in case
Weight	3 HE/ 84 TE, 360 mm depth
Classification	app. 11kg
Ventilation	IP 20
	internal fan

Electrical Connections

Connectors	front (rear connectors upon request)
Input DC	3 high current terminal blocks 16 mm ²
Output AC	
(parallel-mains)	Phoenix Power-Combicon plug
Parallel-signal	2x Phoenix Power-Subcon plugs
Alarm	Binder round connector

Technical Features

Built-in parallel mode module to increase the power range for bigger loads. The load current sharing is done by each inverter individually.
Possibility to parallel up to 5 inverters INV40X00XXP.
The LED bar on the front panel reads the output power of the inverter. Each LED signals the 25% nominal load.

Order number codes for example INV40300SFP

Output power	Input voltage	Output voltage	Output frequency	Design	Connections
INV X0	κ	λ	ξ	3 οξ C	7 οξ R
4 = 4 kVA	3 = 48-60 VDC	0 = 230 VAC	0 = 50 Hz	S = standard	F = front panel
	5 = 110 VDC		1 = 60 Hz	C = customized	R = rear panel
	6 = 220 VDC				