let's talk!

Power Innovation
Stromversorgungstechnik GmbH

Inverter INVPL4000-Series

- **Efficiency > 88 %**
- **with parallel mode module**
- **without 50 Hz transformer**
- **high frequency control**
- **robust IGBT power amplifier**
- **low output impedance**
- **19" rack**

Picture may differ from actual device

Technical Data

General

Electrical safety	EN 62368
Efficiency	> 88 % at nominal load
Electrical isolation	3.75 kV_{DC}
EMC emission	EN 61000-6-4
EMC immunity	EN 61000-6-2
Operation temperature	-5°C to +45°C, non-condensing, +45°C to +70°C: 1.5% / K derating for DC_{IN} = 48/60 V_{DC} and 110 V_{DC}

Input DC

Voltage	48/60 (38 – 72) V_{DC} 110 (88 – 132) V_{DC} 220 (178 – 264) V_{DC} 540 (350 – 750) V_{DC}

Output AC

Voltage	230 V_{AC}, tolerance +/- 5 %
Frequency	50/60 Hz, sine wave processor controlled
Output power	4 kVA / 3200 W
Power factor	0.8
Load range	0 – 100 %
Crest factor	≥ 2.5
Harmonic distortion	< 3 %

Signals

Visual	LED green: o.k. LED red: alarm LCD dot matrix display (2 x 16)
Electrical	2 configurable, potential-free alarm contacts 2 configurable alarm inputs 2 temperature inputs (PT1000)
LAN interface	IEEE 802.3™ compatible Ethernet Controller, 10Base-T Port, supported network protocols: IPv4, HTTP, SNMP V1/V2c, DHCP, NTP, ICMP

Operation

Local	Battery Switch 4 push buttons for setup
Remote	PC interface for data recall, parameter setting via LAN, Web/SNMP integrated

Housing

	19" rack
Dimensions	3 U / 84 HP, depth 360 mm
Weight	approx. 14 kg
Ingress protection class	IP 20
Cooling	2 internal, regulated fans

Electrical connections

Location	Front
Input DC	3 terminal blocks
48/60V, 110V, 220V	HDFK 16, 16 mm²
540V	HDFK 10-HV, 10 mm²
Output AC	Phoenix Power Combicon PC4/3-polig
Signal	Phoenix Mini Combicon MC1,5/14-GF-3,5
LAN	RJ45 S-UTP
Parallel-Signal	2 x RJ45 S-UTP

Special features

Built-in parallel mode module to gain redundancy or to increase the power range for greater loads. Up to five inverters can be operated in parallel.

Warranty

24 months

Order code

INVPL4000-48-230
INVPL4000-110-230
INVPL4000-220-230
INVPL4000-540-230

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