Inverter INVP500

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

Specifications

General
- Electrical safety: EN 60950, VDE 0805
- Efficiency: >88% by nominal load
- Galvanic isolation: 3.75 kV<sub>DC</sub>
- EMC (emission): EN 50081-1
- EMC (immunity): EN 50082-2
- Operating temperature: -5 to +45°C non condensing

Input DC
- INVP500-24: 24 (19-31) V<sub>DC</sub>
- INVP500-48/60: 48/60 (38-72) V<sub>DC</sub>
- INVP500-110: 110 (88-132) V<sub>DC</sub>
- INVP500-220: 220 (178-264) V<sub>DC</sub>

Output AC
- Voltage: 230 V<sub>AC</sub> (115 V<sub>AC</sub>), failure tolerance +/-5%
- Frequency: 50 Hz (60 Hz), sinewave processor controlled
- Output power: 500VA / 400W
- Power factor: 0.8
- Load range: 0 - 100%
- Crestfactor: >2.5
- Harmonic distortion: <2%

Signals
- visual: LCD dot matrix display
- signal output: voltage free alarm contact

Operation
- push-button for setup, main switch

Warranty
- 24 months

Housing
- 19”, plug-in case

Size
- 3U / 84 TE, 240 mm depth

Weight
- approx. 6.5 kg

Classification
- IP 20

Ventilation
- internal fan

Electrical connections
- Connectors: Front (rear connectors upon request)
- Input DC: 3 high current terminal blocks 16 mm<sup>2</sup>
- Output AC (parallel-mains): 2x Phoenix Power-Combicon plugs
- Output AC: 1x Appliance outlet
- Parallel-signal: 2x RJ45 S-UTP
- Alarm: Phoenix Mini-Combicon

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.

Order Code
- e.g. INVP500 - 48/60 - 230 - 1

<table>
<thead>
<tr>
<th>Type</th>
<th>P / VA</th>
<th>U&lt;sub&gt;in&lt;/sub&gt; / VDC</th>
<th>U&lt;sub&gt;out&lt;/sub&gt; / VAC</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>INV</td>
<td>500</td>
<td>48-60 (38-72)</td>
<td>110 (88-132)</td>
<td>1: 60Hz, 2: Rear connectors</td>
</tr>
</tbody>
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