# BORA 3 Phase Series

## Technical Specifications

### Military Helistart Rectifier

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BORA 3028-400 G</th>
<th>BORA 3028-600 G</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INPUT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>380 Vac ± 10%</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50 Hz ± 5%</td>
<td></td>
</tr>
<tr>
<td>Power Factor@Nominal Load</td>
<td>&gt; 0,85</td>
<td></td>
</tr>
<tr>
<td><strong>OUTPUT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal Voltage (Vdc)</td>
<td>28,5</td>
<td></td>
</tr>
<tr>
<td>Voltage Range</td>
<td>24-32 Vdc Adjustable</td>
<td></td>
</tr>
<tr>
<td>Output Current (A)</td>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>Maximum Current@20 sn</td>
<td>1600</td>
<td>2000</td>
</tr>
<tr>
<td>DC Ripple Voltage</td>
<td>&lt; 1 V</td>
<td>≥90%</td>
</tr>
</tbody>
</table>

### GENERAL FEATURES

- Max. 2000A DC Output Current,
- Adjustable Output Voltage,
- Mobile Construction
- Illuminated Indicators
- User Friendly LCD
- High Efficiency,

### GENERAL

- Topology: Static 6 Pulse
- Control: DSP Controlled
- Protections: Short Circuit, Over Current, Over Temperature, Input/Output Voltage Low/High, GND Leakage, Emergency Stop
- Display: 128x64 Graphic LCD, 8 button, 4 ad. Coloured Lamps
- Control: Front Panel ON/OFF Switch

### ENVIRONMENTAL

- Operating Temperature: -20...+50 °C
- Relative Humidity: % 0-95 (Non condensing)
- Cooling: Fan
- Protection Class: IP54
- Audible Noise: <70 dBA

### PHYSICAL

- Dimensions (WxDxH) mm.: 1490x1025x930

### STANDARDS

- Harmonized Standards: EN 61204, EN61204-3, MIL STD 704E

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**HELISTART RECTIFIER**

This rectifier is designed for Turkish Army Forces and can be used as fixed or portable. This device can supply up to 2000 A Direct Current which is startup DC energy of helicopter for at least 20 seconds at 28 Vdc.