

**BORA** **3**  
**Phase**  
**Series**

**Technical Specifications**  
**Military Helistart Rectifier**



MODEL	BORA 3028-400 G	BORA 3028-600 G
<b>INPUT</b>		
Voltage	380 Vac ± 10%	
Frequency	50 Hz ± 5%	
Power Factor@Nominal Load	> 0,85	
<b>OUTPUT</b>		
Nominal Voltage (Vdc)	28,5	
Voltage Range	24-32 Vdc Adjustable	
Output Current (A)	400	600
Maximum Current@20 sn	1600	2000
DC Ripple Voltage	< 1 V	
Efficiency	≥90%	
<b>GENERAL</b>		
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	
<b>ENVIRONMENTAL</b>		
Operating Temperature	-20...+50 °C	
Relative Humidity	% 0-95 (Non condensing)	
Cooling	Fan	
Protection Class	IP54	
Audible Noise	<70 dBA	
<b>PHYSICAL</b>		
Dimensions (WxDxH) mm.	1490x1025x930	
<b>STANDARDS</b>		
Harmonized Standards	EN 61204, EN61204-3, MIL STD 704E	

**GENERAL FEATURES**

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

**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.