



B-Power 270VDC/400HZ Combo
Ground Power System

For Military F-35 JSF,
F-22 Raptor Aircraft and
Legacy Aircraft

270VDC/400HZ COMBO

BGSE Group is pleased to offer B-Power®. The most advanced and reliable 270VDC power supply in combinations with 400HZ is a single enclosure. The 270VDC/400HZ combination system has the smallest footprint average in the industry and is for both indoor and outdoor installation. The B-Power® line of units all have advanced self diagnostic capabilities, automatic line drop, under 5% input THD standard and easy to operate user interface. The B-Power® line of units raise the bar for the industry offering the most powerful unit in the most economical package.





B-Power 270VDC/400HZ Combo Ground Power System

Maximum Input Current

Input Volts	90kVA/72kW
380V	126 Amps
400V	120 Amps
415V	116 Amps
480V	98 Amps

Dimensions

- ▶ Width: 24 Inches (605 mm)
- ▶ Height: 63 Inches (1601mm)
- ▶ Depth: 27 Inches (670 mm)

Weight

- ▶ 1190 LBS (540 kg)

Housing

- ▶ NEMA 4 (IP54) RAL 7035 - phosphatized, primed and powder sprayed

Noise

- ▶ < 68 dB(A)

Input

- ▶ AC Power: 380-480 Volt, 3 phase, 50/60Hertz, at -15% to + 10% of normal voltage rating. Unit is phase rotation independent.
- ▶ Starting current: Starting inrush current not to exceed 100% current required when operating at rated output.
- ▶ Power Factor: From 25% to 100% rated load, input factor is greater than 0.95.
- ▶ Input Current Distortion: 5% or less input current distortion.
- ▶ Efficiency: Greater than 92% at any load above 50% of rated load.

Output Voltage

- ▶ Voltage Drift: Less than 1% at constant load
- ▶ Voltage Regulation: Less than 1%
- ▶ Output Voltage Transient per MIL-STD-704F

Controls and Indicators

- ▶ LIQUID CRYSTAL DISPLAY - 4 lines
- ▶ Plain Language Fault Display - display of current operating data, voltage, current frequency, power, voltage adjustment, DC bus voltage adjustment, hour meter, 28VDC interlock output, input voltage phase A, B and C, output voltage, output current, output kW, event and fault history and more.
- ▶ Buttons For: On/Off, Arrow Up/Down, Hand Key, Reset, Horn Off
- ▶ LEDs For: Input, Rectifier, Inverter, Output, Alarm/Reset, Horn



BGSE is an international supplier of the highest quality aerospace support products. We're committed to 100% on time supply, zero defects, and complete customer satisfaction.

Our core focus is turn-key, integrated solutions. BGSE has the experience to execute design-build projects with architects, engineering firms, general contractors, electrical contractors, mechanical contractors and all installation and maintenance companies.

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