



*Logic Designer &
Innovative Solutions*



Ground Power Equipments for Aviation Applications



Overview

About The Company

Founded in 2013, B R Enterprises, Pune is a pioneer in design Development and manufacturing of Aviation Grade Ground Power Units (GPU), Static Frequency Converters, Transformer Rectifier Units, a GPU Load Banks and indigenization projects. With an innovative solutions, logic designing and focus on engineering precision and long-term reliability.

Our products are known for their quality, rugged construction, superior performance, user-friendly operation, and low maintenance requirements. Designed to meet Aircraft power supply demands, our offerings can be tailored to client specifications—delivering both standard and bespoke solutions with unwavering quality.

We operate from one roof facility equipped with state-of-the-art technology and testing infrastructure. Backed by a skilled team, we serve Indian Air Force, Hindustan Aeronautics Ltd, across India who value our quality, technical precision, timely delivery, and competitive pricing.



Year of Establishment

2013

Nature of Business

**Design, Development and
Manufacturing**

Total Number of Employees

Up-to 20 People

Vision

To become a trusted name in engineered power systems by leading with innovation, precision, and integrity. We aim to empower critical industries — especially aviation—through solutions that ensure operational continuity, technical reliability, and long-term performance under demanding conditions.

Mission

To deliver high-reliability Ground Power Unit solutions through a commitment to engineering excellence, client-specific customization, and rigorous quality control. We strive to support vital operations with dependable equipment, timely service, and deep technical understanding across every engagement.

Our Leadership

Director's Message



Welcome to B. R. ENTERPRISES. We're delighted to have you visit our website. Thank you for the opportunity & privilege to introduce the product / service offering by B. R. ENTERPRISES.

Our director Mr. Vijay Kamble is having a three-decade experience in GROUND POWER UNIT. He is the one who is instrumental in indigenizing HAL GPUs the after he serves and deliver more than 350 GPUs to Indian Air Force, Indian NAVY, Indian ARMY and Hindustan Aeronautics Ltd.

M/S. B. R. ENTERPRISES is having a capacity to design, develop, productionized & provide after sales service in the field of Ground power Unit & Other Ground Service Equipment. The director is a qualified engineer & having a two-decade experience in the same field, he is the first who instrumental to indigenise the control & protection circuits for HAL Lucknow make GPUs & thereafter supplied around 400 sets of protection circuits to HAL Lucknow. He is also having an experience of design & manufacturing of DC GPU, AC GPU, AC/DC GPU, of capacity 40KVA/90KVA/120KVA – 400Hz GPU, Hydraulic Trolley, Transformer Rectifier Units (T.R.U.), Hydraulic Power Units etc.

M/S. B. R. ENTERPRISES is in a position today to design, develop & manufacture Static Frequency Converter (SFC) / Rectifiers cum battery chargers upto 250KVA or more, all types of Ground Power Units (GPUs), Hydraulic trolley, Aircraft Push Back tractors, Air Start Units, Battery Chargers for lead Acid, Ni Cad & Lithium batteries. We can also take up an AMC jobs for GPUs. Company can also take up all kinds of aviation related indigenise projects.

The entire team of B. R. Enterprises, as one family and a cohesive unit, strives to achieve the goal of delivering logical, innovative and cost-effective solutions. **Logic Designer and Innovative Solutions** is our slogan at B R Enterprises.

We believe that the latest technology and quality product is the key to manufacturing success. We have worked towards building a strong technology and user-friendly products. Combining innovative ideas and indigenous designs, we are growing up slowly and steadily. We believe on maintaining product quality and good business relationship.

Our Team



Custom-built portable and fixed units, ensuring operational continuity

The offered products are widely appreciated for their features like high durability, excellent performance, rugged construction, easy to operate and low maintenance.

Ground Power Unit

E.V. Ground Power Unit

- Applications: Aircraft Engine Starting
- Fuel Type: Diesel/ ATF
- Engine Type: Aircooled
- Product Type: Electrical Vehicle Mounted, Self Driven
- Output Power: 20KVA - 180KVA AC 400Hz & 28V DC



AC Ground Power Unit

- Applications: Aircraft Engine Starting
- Fuel Type: Diesel/ ATF
- Engine Type: Aircooled
- Product Type: Tow-Trolley Mounted
- Output Power: 20KVA - 180KVA AC 400Hz

Electrical Ground Power Unit

- Applications: Aircraft Engine Starting
- Fuel Type: No Fuel Required
- Works of Commercial Electric Power 3 Phase, 415V, 50Hz
- Product Type: Tow-Trolley Mounted - Light Weight, Easy to Carry
- Output Power: AC 400Hz 200V(L-L) DC 28V, 2000A Peak





AC Ground Power Unit

- Applications: Aircraft Engine Starting
- Fuel Type: Diesel/ ATF
- Engine Type: Aircooled
- Product Type: Tow-Trolley Mounted
- Output Power: 28V DC - 2000A Peak

Frequency Converter

400Hz Frequency Converter

The offered products are widely appreciated for their features like high durability, excellent performance, rugged construction, easy to operate and low maintenance.

- Input Voltage: AC 4 Wire, 415V, 50Hz
- Output Voltage: AC 4 Wire, 200V, 400Hz (115V CL-N)
- Output Power: 10KVA - 200KVA
- Converter Type: Microcontroller Based, Static Frequency Converter
- Noise Level: Less than 65db
- Cooling: Forced Air cooled
- Protection Degree: Upto IP65
- TND (%): Less than 2
- Insulation: Class H



Aircraft Test Equipment



PKTN Tester

- Applications: Testing Aircraft Fuel Tank
- Qualification: Tested & Qualified for Mil. Standard
- Reliability: JSS-55555 Environmental Testing
- Quality: Certified by DGAQA

ARO-28S Tester

- **Applications:** Testing Various Aircraft Electrical Systems
- **Qualification:** Tested & Qualified for Mil. Standard
- **Reliability:** JSS-55555 Environmental Testing
- **Quality:** Certified by DGAQA



ADIA 2 Tester

- **Applications:** Testing of Aircraft Gyro Instrument
- **Qualification:** Tested & Qualified for Mil. Standard
- **Reliability:** JSS-55555 Environmental Testing
- **Quality:** Certified by DGAQA

PK-68M Tester

- **Applications:** Testing of Su-30 Aircraft Pre-Flight Preparation
- **Qualification:** Tested & Qualified for Mil. Standard
- **Reliability:** JSS-55555 Environmental Testing
- **Quality:** Certified by DGAQA



Transformer Rectifier Unit

Transformer Rectifier Unit (TRU)

We are involved in providing the excellent range of TRANSFORMER RECTIFIER UNITS, which is offered at reasonable prices.

- **Input Voltage:** AC 4 Wire, 415V, 50Hz
- **Output Voltage:** 28V DC
- **Output Power:** 300A Continuous, 200A Peak/ As Per Requirement
- **Rectification:** IGBT based controlled rectifier (DSP)
- **Output Regulation:** 1%
- **Output Ripple:** Less than 300MV Either Polarity
- **Insulation:** Class H
- **Protection Degree:** Upto Ip65



Services

GPU Maintenance Service

Preventive maintenance is critical to ensuring uninterrupted performance and extending the operational life of your Ground Power Units. Our expert technicians perform scheduled inspections and servicing tailored to your equipment specifications and operational load.

- Routine diagnostics and performance testing
- Replacement of worn-out or time-sensitive components
- Calibration of voltage and frequency output
- Cooling system inspection and fluid level checks
- Compliance checks with industry and OEM standards



GPU Repairing Service

When your GPU experiences a fault or downtime, our rapid-response repair service minimizes disruption and restores your operations efficiently. We diagnose issues at both component and system levels, ensuring long-term reliability.

- Fault diagnostics using advanced testing equipment
- Component-level repair or replacement
- PCB troubleshooting and rewiring
- Emergency on-site repairs (subject to location)
- Post-repair validation and load testing



Contact Us

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