

Defence power equipment

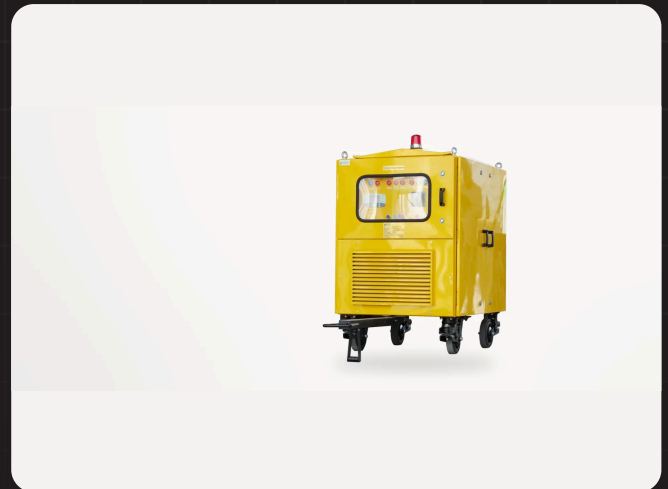
Meeting the power supply needs of the defence sector

High-power converters for electrical testing, naval dockyards and ground support for aircraft, designed and built in India.

Up to 4.7 MW load banks

GPUs up to 180 kVA

100% designed and built in-house



100–1500 kW

mobile and stationary
chargers

2–4700 kW

AC/DC load banks

180 kVA

AC/DC ground power units

2–1000 kVA

frequency converters

Overview

Customised power for critical defence applications

Statcon Energiaa designs and manufactures high-power converters for the defence sector: customised products for electrical testing, naval dockyard applications, ground support equipment for aircraft and much more. Design, manufacturing and testing are 100% Indian, and every step is done in-house at our Pilkhuwa works.



Mobile rectifiers and battery chargers

Thyristor-controlled mobile rectifiers and chargers with SCR bridges and advanced control circuits, built for robustness in critical uses such as submarine battery charging and all kinds of high-capacity batteries. Self-start, CC / CV modes and overload protection built in.

100–1500 kW · 200–600 V DC · higher ratings on request



AC/DC load banks for ships and DG sets

Customisable voltages and frequencies, stainless steel resistance grids, PLC-based step selection and power factor control. DC loads for battery discharging with Ah and cell monitoring. Panel, trolley or container construction.

2 kW to 4.7 MW



Ground power units

Self-driven, EV-driven and tractor-towable GPUs for fighter and transport aircraft and helicopter fleets, including a 28 V DC GPU for aircraft starting. Supplied to defence forces in India and abroad.

AC/DC GPU up to 180 kVA · 11.2 kW, 28 V DC · 0-70 V DC start



Frequency converters

Stable AC at 50, 60 and 400 Hz for demanding loads, in wheel-mounted trolleys, containers or specialised panels.

RFC 10-1000 kVA · SFC 2-200 kVA

Stationary battery chargers

Battery chargers

Output voltages of 24, 48, 110, 220, 380 and 550 V in free-standing panels, mobile trolleys or containers. Choose thyristor-controlled chargers for conventional charging, or SMPS charger systems in N+1 configuration for 24, 48, 110 and 220 V DC.

Options include automatic float / boost, constant current and constant voltage modes, cell monitoring and monitoring ports.

100-1500 kW

24-550 V DC

N+1 SMPS option

High-power DC-regulated supply

Regulated DC power supplies

Well-regulated, reliable supplies for aircraft testing, tank manufacturing and maintenance, radar testing, laboratories and more, in free-standing panels, wheel-mounted trolleys or containers.

100-1500 A continuous

24 / 28 / 48 / 200 / 400 V

We also offer

- ✓ **Dedicated ground power supplies** for 415/230 V AC at 50/60 Hz and 400 Hz for radar, 28/48 V DC for radar and avionics, battery charging from small power packs to tank batteries, and high-surge DC supplies for artillery and tanks
- ✓ **Plug-and-play solar container solutions** for remote sites needing reliable 24x7 power, with storage-based distributed power for forward areas
- ✓ **Utility supplies using renewable energy:** microgrid architecture for 24x7 power from solar, wind, biofuel and green hydrogen
- ✓ **Renewable energy-based solutions** for installations in high-altitude areas of the Himalayas

Defence enquiries: defence.p@energiaa.in · +91 9599486344 · 0120-4088600. Statcon Energiaa also makes MW rectifiers for green hydrogen, railway signalling power supplies, industrial battery chargers and solar microgrid inverters.

Information is accurate at the time of publication. Statcon Energiaa reserves the right to amend or modify it without notice.