

COMMERCIAL & INDUSTRIAL UNITS

Smart HBD series units available from **30-3000 kWh** with additional inverter and PV options.

All batteries are LiFePO4.

HBD 30-60

Rated output power: 30kW
Battery Storage Capacity: 61.44 kWh
Rated output voltage: 400V@50Hz, 3ph.
Max. Current (AC): 47.6A

HBD 50-100

Rated output power: 50kW
Battery storage capacity: 100.35kWh
Rated output voltage: 400V@50Hz, 3ph.
Max. Current (AC): 47.6A

HYBRID GB-30-40

System rated output power: 30 kVa
Battery storage capacity: 40kWh
Rated output voltage: 400V/230V@50Hz, 3ph.
Max. Current- PCS (AC): 90A

Contact us for more information on BESS or HYBRID specifications



BESS HBD SERIES + HYBRID GENERATORS

How does it work?

- Battery energy storage systems (BESS) capture and store energy generation from grid power, solar PV, and/or diesel generation.
- Utilized in peak grid demands, BESS accumulates energy during low demand periods and discharges during peak times, acquiring high exporting rates to the grid.
- BESS can be paired with solar PV, bolstering zero-carbon emissions during the application.
- BESS can be charged by diesel generators with only an occasional trickle charge, reducing the need for constant generator operation. This minimizes noise disturbance and exhaust emissions.
- This technology fosters energy self-sufficiency, fulfilling your energy needs without depending on continuously operating diesel generators or unreliable grid connections.



Applications

- Peak shaving/load balancing
- Solar storage
- Microgrid
- Back-up power supply
- Remote power supply
- Hybrid power generation

VERDE POWER:



COST SAVINGS



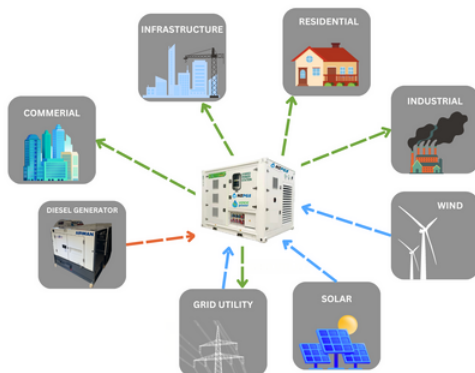
FUEL REDUCTION



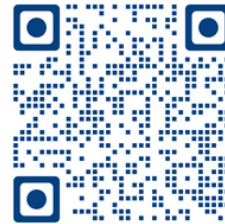
RELIABILITY



COMPANY VALUES



FOR MORE INFORMATION...



Contact Us



021 479 537
0800 333 448



For rental and sales enquiries ;
john@nzpgs.co.nz

For environmental/sustainability enquiries ;
verde@nzpgs.co.nz



www.nzpgs.co.nz

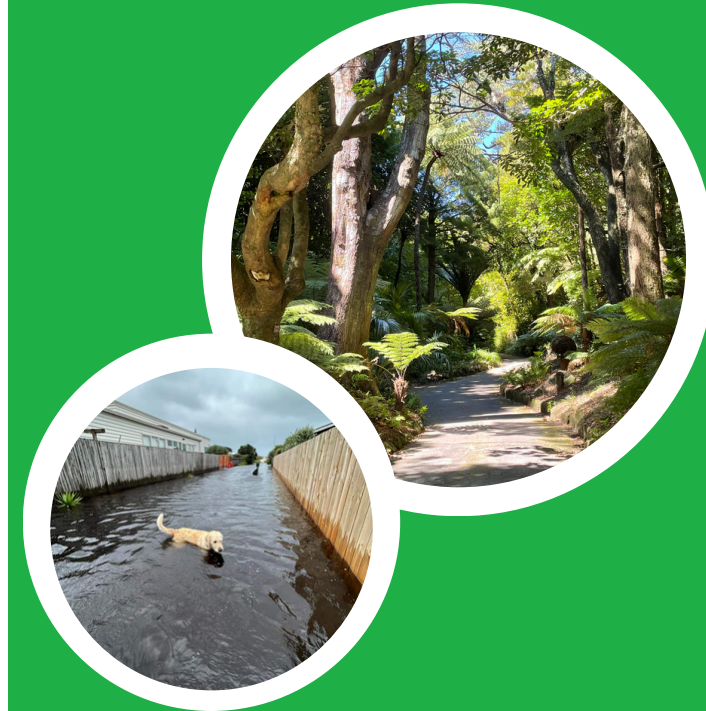


1/29b Alfred Street Onehunga
Auckland 1061
New Zealand

Environmental Compliance

Aligning with New Zealand's environmental goals starts with reducing driving carbon emissions.

The Energy sector accounts for **40%** of New Zealand's gross emissions, underscoring a need for innovative solutions and renewable energy investments.



Whether BESS is coupled with a generator or seamlessly integrated with renewable solutions, this new technology substantially reduces fuel consumption and CO2 emissions, facilitating a remarkable decarbonization impact within your company or residence.

At **NZPGS**, we're dedicated to aligning with New Zealand's 2050 net zero future. Working with like-minded people is key to achieving this goal!