

**Powerac**

POWERAC ENERGY SOLUTIONS PRIVATE LIMITED

 **MOTEURS Baudouin**

**140 kVA TO  
4000kVA**

Durable | Robust | Built to Last





POWERAC ENERGY SOLUTIONS PRIVATE LIMITED



## SOLVING YOUR POWER NEEDS

POWERAC ENERGY SOLUTIONS PVT LTD is a reputed company based in Kerala, engaged in consulting of power requirements and Diesel Generator related services. It commenced its operation in 1983. Over the period of 40 years, it has spread its power solution services in all market segments. It is led by a highly qualified Management & technical team with nation wide experience in handling different brands, consulting customer requirements both on the supply of generator sets and servicing domains. With core focus on Power solution requirements, from supply of diesel generator sets to installations, Annual Maintenance contracts, it always strives to provide the best industry solutions to its clients. Our logical, pragmatic and service on-demand solutions allow clients to consistently meet their most critical business objectives on time.

## POWERING YOUR SUCCESS SINCE 1983

India's diesel engines are backed by European technology with legacy of over 40 years in engineering and innovation. Known for designing and manufacturing the highest quality of diesel engines for marine and power generation applications, Powerac now brings the same reliability and futuristic European technology to the Indian market. Experience durability, an excellent total cost of ownership and globally trusted quality with powerac's wide range of engines.

The Powerac range of G Drive engines are available up to 4000 KVA and are manufactured, distributed and serviced by HSIIG India based at Pune, Maharashtra

**HIGH PRESSURE COMMON RAIL SYSTEM**  
More reliable and reduced stress on injectors, which helps to reduce wear and tear.

**EXTENDED WARRANTY**  
Additional warranty of 2 yrs on complete genset\*

**HIGHEST BLOCK LOADING**  
More than 50% block loading capability as per ISO 8528 guidelines.

**LOW LUBE OIL SUMP CAPACITY**  
Less than 20% sump capacity means savings on Lube oil quantity.

**INTERNATIONAL WARRANTY**  
With a global network of 200 partners.



**DUPLEX TYPE OIL FILTER WITH ELECTRIC PUMP**  
Helps to reduce friction and better start ability.

**100+ YEARS OF HERITAGE**  
From humble beginning in Marseille, 1918.

**BEST FUEL EFFICIENCY**  
Low cost of ownership.



## DG set basic data

Genset Model	Engine Model	KVA	KW	Engine Power (KW/m)	Number of Cylinders	Governing Type	Fuel Tank Capacity (liters)	Acoustic Enclosure Dimensions L X W X H (mm) + Silencer (mm)^	Approx Weight (Kg)^	Type Of Genset
PBDN140	4M12G4D4/5	140	112	125	4-Inline	ECU	500	3300 X 1300 X 1700	2000	Canopy
PBDN200	6M12G2D4/5	200	160	196	6-Inline	ECU	500	4500 X 1700 X 1900	3800	Canopy
PBDN225	6M12G4D4/5	225	180	218	6-Inline	ECU	500	4500 X 1700 X 1900	3800	Canopy
PBDN250	6M12G6D4/5	250	200	235	6-Inline	ECU	500	4500 X 1700 X 1900	3800	Canopy
PBDN320	6M21G0D4/5	320	256	290	6-Inline	ECU	700	5300X1900X2250 +950	5300	Canopy
PBDN400	6M21G2D4/5	400	320	365	6-Inline	ECU	700	5300X1900X2250 +950	5350	Canopy
PBDN450	6M21G4D4/5	450	360	410	6-Inline	ECU	700	5300X1900X2250 +950	5500	Canopy
PBDN500	6M21G6D4/5	500	400	450	6-Inline	ECU	700	5300X1900X2250 +950	5700	Canopy
PBDN650	6M33G2D4/5	650	520	575	6-Inline	ECU	990	6750 X 2350 X 2550 +930	9500	Canopy
PBDN750	6M33G4D4/5	750	600	660	6-Inline	ECU	990	6750 X 2350 X 2550 +930	9800	Canopy
PBDN1010/PBDN1100S	12M26D968E200	1010	808	968	12-V type	MECHANICAL	990	Customized	Customized	Open/Canopy/Container
PBDN1250/PBDN1400S	12M3301210E200	1250	1000	1210	12-V type	MECHANICAL	990	Customized	Customized	Open/Canopy/Container
PBDN1500/PBDN1650S	12M33G1650/5	1500	1200	1450	12-V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN1750/ PBDN1900S	16M3361900/5	1750	1400	1690	16- V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN1850/PBDN2000S	16M33G2000/5	1850	1480	1800	16. V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN2000/PBDN2250S	16M33G2250/5	2000	1600	1990	16- V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN2250/PBDN2500S	20M33G2500/5	2250	1800	2210	20-V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN2500/PBDN2750S	12M55G2750/5	2500	2000	2450	12- V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN2750/PBDN3000S	12M55G3000/5	2750	2200	2700	12- V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN3000/ PBDN3300S	16M55G3300/5	3000	2400	2900	16-V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN3300/PBDN3750S	16M55G3750/5	3300	2640	3300	16- V type	ECU	990	Customized	Customized	Open/Canopy/Container
PBDN3750/PBDN4000S	18M55G4000/5	3750	3000	3600	16- V type	ECU	990	Customized	Customized	Open/Canopy/Container

ESP (Emergency Standby Power) & PRP (Prime Power) is accordance with ISO 8528

^ - Tolerance Applicable

# - ESP (Emergency Standby Power)

Alternator options available with Stamford, CG, Leroy Somer & Mecc Alte Conformance standards: IS/IEC 60034-1, IS1460, ISO8528, ISO 3046, IS13018, ISO 9001. Specification are subject to change due to continuous improvement and are for reference only.

Warranty Terms:

Warranty period covers 2 years or 5000 Hours run\* (Whichever is earlier)

Warranty on SC covers 5 years or 5000 Hours run\* (Whichever is earlier)

\*TERMS AND CONDITIONS APPLY

Features of Remote Monitoring System :

- ▶ Advanced fuel management enables precise control over fuel top-ups and facilitates easy detection of theft.
- ▶ Identify instances of engine underload and continuous operation beyond recommended usage hours.
- ▶ Access real-time engine parameters remotely from any connected DG Set.
- ▶ Address issues promptly and efficiently to minimize downtime.
- ▶ Reduce the risk of major breakdowns, leading to lower part replacement and maintenance costs.

Standard scope comprising of:

Diesel Engine / AC Generator / Base frame / Standard Control Panel / Radiator / Silencer / Battery & Battery Cable / AVMs / First fill of Lube Oil First fill of Coolant / DG Set Controller / Fuel Tank / Wiring Harness / Sensors

One step solution:

Customised power Solutions, installation, commissioning, operations contract, AMC/CAMC renting power, hybrid solution, Electric Board approval, Electrical options AMF/ Auto Synchronising panel, C&R, NGR, NIS, VCB Voltage options: 415V, 3.3/6.6/11kv, Cooling systems: Remote radiator Heat exchanger

## Customer Benefit

- Wide range of products from 140 kVA to 4000 kVA
- Complaint with CPCB IV+ norms upto 1010kVA
- Compatible for AMF, Stand Alone paralleling, synchronization
- HP-CRDi for swift response - G3 Governor
- Higher Block loading\*
- Made in India, Design in France
- Pan India Service Network
- DG set online monitoring IOT Enable

## Industries we serve



Shopping Mall & Commercial Buildings



Residential Realty



Hotels, Resorts & Restaurants



Airport



Warehouse & Cold Storage



Hospitals & Critical Health Care Centres



Infra projects



Data Centre



Industrial Application

## Powerac Service Support

Powerac Energy Solutions Pvt Ltd has a single window solution for sales & after-sales support that ensures attention to our esteemed clientele at the shortest possible time.

This concept ensure that customer support regarding DG set appregates or complete equipment is resolved through a single window.

Our service dealers are equipped with necessary tools & equipment and have a trained and motivated service team to handle and resolve troubleshooting around the clock.





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