

(A Shapoorji Pallonji Company)


sterling
generators

positively wired

Energy for the Future

Energy for the Future

INTEGRATED ENERGY SOLUTIONS FOR:



- ▶ Diesel Generating Sets from 125KVA to 3300 KVA
- ▶ Captive Power (LT & HT)
- ▶ Customized Control Panels
- ▶ Automated Load Management Controls

**VOLVO
PENTA**

Mahindra NAVISTAR
Engines (P) Limited

 **Perkins**[®]


Fascination of power

About us

Shapoorji Pallonji & Co. Ltd., one of the largest Construction Groups in India, made a successful entry in the power industry in 2005 with its premier range of D.G. sets, being manufactured in one of Asia's largest integrated D.G. set plant in Silvassa, under the brand name "STERLING GENERATORS".

This range of D.G. Sets from 125-3300 KVA is marketed by Sterling & Wilson Powergen Pvt. Ltd. through its Pan India network of sales & service offices.

Sterling & Wilson is a leading electro-mechanical group of companies in India with over 80 years of experience in project engineering and execution. The last few years in this business have proved the Group's forte in being able to successfully provide emerging and captive power solutions to small, medium as well as large business enterprises in India and also successfully in Middle East and Africa. In a short span of time Sterling Generators has emerged as one of the country's leading players in the genset business.

HIGHLIGHTS

- OEM's for world class engine manufacturers Perkins, MTU & Volvo and Mahindra Navistar
- International market acceptance with exports contributing a substantial share of the business
- Design & build capability for large multi-unit installations
- One of Asia's largest single integrated DG set manufacturing plant
- Nationwide network of sales & support offices
- 24 hour customer service support by professionally trained engineers
- Large diversified customer base across Industries/Hotel/Real Estate Infrastructure projects.

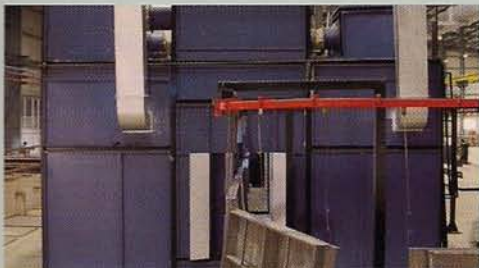
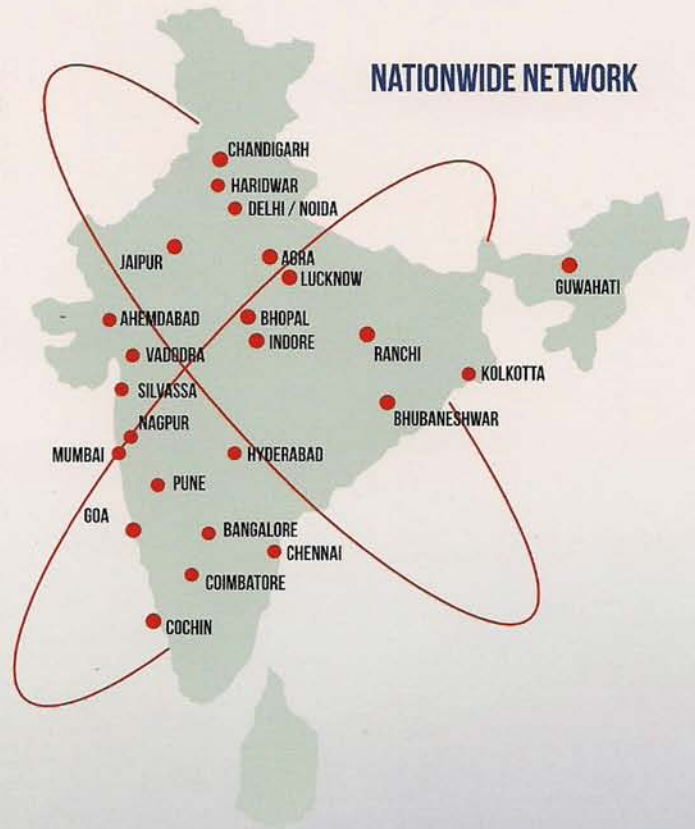


MANUFACTURING PLANT

The manufacturing plant in Silvassa is an integrated manufacturing facility with separate EOU and DTA units. The plant is equipped with the most modern technology equipments for Fabrication, 15 Tank Surface Treatment, Powder Coating and state - of - the - art PLC based Testing Facility up to 3000 kW, the first in the country.

Sterling has tied up with MTU - Germany & Volvo- Sweden, Perkins-UK and Mahindra Navistar, India the global leaders in diesel engine technology, renowned for reliability, fuel efficiency and adherence to global emission norms.

**STERLING'S PROFESSIONAL APPROACH MAKES
THE COMPANY STAND APART IN THE INDUSTRY.**



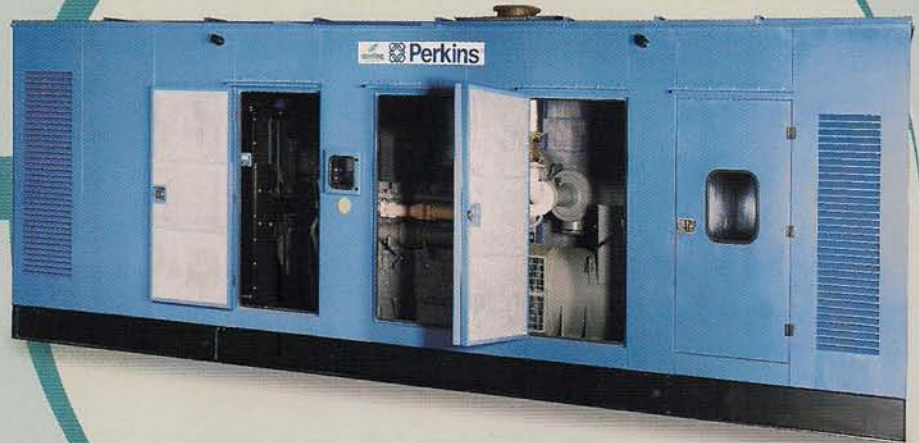


Perkins Power Range

Perkins Engines Company Limited, a subsidiary of Caterpillar Inc. USA, is a heavy duty diesel engine manufacturer of international repute based in the UK. Since 1932 Perkins has manufactured thousands of engines every year for various applications and has found ready acceptance across the world.

The design features of Perkins engine ensure their suitability for all power generation applications of up to 2475 kVA in diesel power.

GENERATING A BETTER FUTURE



Salient Features

- Emission compliant & eco friendly
- Compact Design with high power to weight ratio
- Fuel efficient
- Low maintenance costs
- Low lube oil consumption

Perkins is part of
CATERPILLAR

Ranging from
250-2475 KVA

Perkins Powered Sterling Gensets Rating Chart

Engine Model	KVA-50 hz, 1500 RPM		No. Of Cyl.	Bore X Stroke (MM)	Displacement (Ltrs.)	BHP @ 1500 RPM
	Prime	Standby				
1306C-E87TAG6	250	275	6	116.6 X 135.9	8.7	300
2206C-E13TAG2	350	385	6	130 X 157	12.5	434
2206C-E13TAG3	400	440	6	130 X 157	12.5	493
2506C-E15TAG2	500	550	6	137 X 171	15.2	605
2806C-E18TAG1A	600	660	6	145 X 183	18.1	713
4006-23TAG2A	750	825	6	160 X 190	23	882
4008-TAG2A	1010	1100	8	160 X 190	30.6	1206
4012-46TAG0A	1250	1375	12	160 X 190	45.8	1497
4012-46TAG2A	1500	1650	12	160 X 190	45.8	1785
4012-46TAG3A	1700	1870	12	160 X 190	45.8	2012
4016-61TRG1	1850	2035	16	160 X 190	61.1	2208
4016-TAG2A	2000	2200	16	160 X 190	61.1	2367
4016-61TRG2	2000	2200	16	160 X 190	61.1	2377
4016-61TRG3	2250	2475	16	160 X 190	61.1	2647

Perkins comprehensive product range offers cost effective power with minimised running costs & rapid payback periods



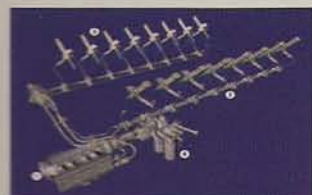
MTU Powered Sterling Gensets Rating Chart

Engine Model	Radiator Cooled		HE Cooled		No. Of Cyl.	Bore X Stroke (MM)	Displacement (Ltrs.)	BHP @ 1500 RPM
	Prime	Standby	Prime	Standby				
6R 1600	275	300	275	300	6	122 X 150	10.5	334
6R 1600	300	330	300	330	6	122 X 150	10.5	368
8V 1600	360	400	360	400	8	122 X 150	14.0	436
8V 1600	400	440	400	440	8	122 X 150	14.0	480
10V 1600	450	500	450	500	10	122 X 150	17.5	546
10V 1600	500	550	500	550	10	122 X 150	17.5	601
12V 1600	590	650	590	650	12	122 X 150	21.0	702
12V 1600	650	725	650	725	12	122 X 150	21.0	772
12V2000G65	775	850	825	900	12	130 X 150	23.9	932
16V2000G25	910	1010	950	1050	16	130 X 150	31.8	1086
16V2000G65	1010	1100	1050	1150	16	130 X 150	31.8	1193
18V2000G65	1135	1250	1185	1300	18	130 X 150	35.8	1340
12V4000G23	1650	1815	1700	1850	12	170 X 210	57.2	1903
12V4000G63	1815	2000	1875	2050	12	170 X 210	57.2	2111
16V4000G23	2050	2250	2125	2325	16	170 X 210	76.3	2410
16V4000G63	2275	2500	2350	2575	16	170 X 210	76.3	2634
20V4000G23	2550	2800	2625	2875	20	170 X 210	95.4	2949
20V4000G63	2800	3075	2900	3175	20	170 X 210	95.4	3244
20V4000G63L	3000	3300	3100	3400	20	170 X 210	95.4	3472



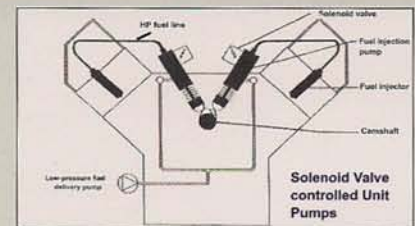
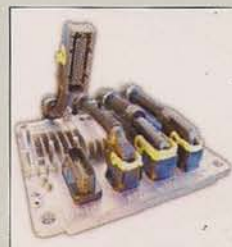
Fuel Efficient Engines • Longer Maintenance Period • Emission Optimised Engines

Service & Automation Module (SAM)



Series 2000 Engines

- Full Electronic Authority Engines controlled by ADEC - MTU's Advanced Diesel engine controller
- Digital governing
- Optimally harmonised fuel consumption and emissions
- Electronically controlled fuel injection
- Fuel efficient
- Display of warning, alerts and fault codes
- Communication through CAN bus
- Load profile recorder



Series 4000 Engines

- Multi stage fuel injection
- Electronically controlled fuel injection
- Common Rail Direct Injection- a first in stationary
- Power generation industry
- Communication through CAN bus
- Display of warning, alerts and fault codes
- Load profile recorder

VOLVO PENTA POWER RANGE



VOLVO PENTA

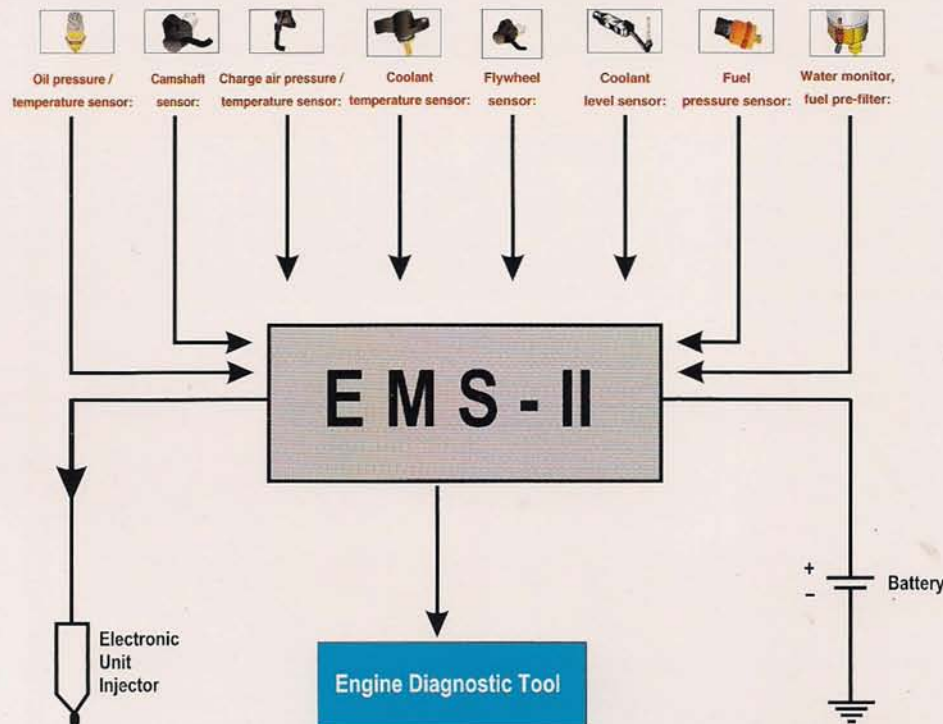


- Fuel Efficient Technology
- Compact Size
- Full Electronic Authority Engine
- Longer Oil Change Intervals

Engine Model	kVA 50 Hz-1500 rpm		No. of Cylinders	Bore Stroke (mm)	Displacement (ltrs)	BHP@ 1500RPM
	Standby Power	Prime Power				
TAD734GE	250	275	6	108 x 130	7.15	306
TAD940GE	275	300	6	120 x 138	9.36	344
TAD1341GE	320	350	6	131 x 158	12.78	383
TAD1342GE	350	385	6	131 x 158	12.78	426
TAD1343GE	380	418	6	131 x 158	12.78	456
TAD1344GE	415	456	6	131 x 158	12.78	495
TAD 1345GE	450	495	6	131 x 158	12.78	542
TAD1641GE	500	550	6	144 x 165	16.12	600
TAD1642GE	600	660	6	144 x 165	16.12	699
TWD1643GE	630	693	6	144 x 165	16.12	750



UNIT INJECTORS AND OVERHEAD CAMSHAFT GIVE PRECISION FUEL INJECTION CONTROL. HIGH INJECTION PRESSURE.



THE ENGINE'S ELECTRONIC MANAGEMENT SYSTEM CONTINUOUSLY MONITORS AND GATHERS DATA FROM A NUMBER OF SENSORS IN THE ENGINE, AND ADJUSTS THE FUEL SUPPLY AND INJECTION TIMING WHICH IMPROVES FUEL-EFFICIENCY AND ENGINE OUTPUT WHILE REDUCING EXHAUST EMISSIONS.



Mahindra Navistar Powered Sterling Genset

Navistar, a 175-year-old U.S. based company is a trusted name in diesel engine manufacturing. In India it has tied-up with Mahindra & Mahindra, the Indian multi-national corporation to form 'Mahindra Navistar Engines Pvt. Ltd.'. Jointly, these two giants manufacture high performance diesel engines for various applications like automobiles, industrial, and diesel generator sets.

Performance unmatched

One of the most preferred engine brands - the Mahindra Navistar engine presents an appropriate solution for virtually every power generation application. Available in the range from 125 KVA to 200 KVA, these generators give correct voltage and frequency for trouble free performance protecting valuable equipment and machines. These generators are really small when compared to other engines of identical ratings making it the DG set apt even for roof-mountings.

Salient Features

- Compact design with high power to weight ration.
- Robust and tough canopy design with high quality powder coating.
- Unmatched fuel economy in its class.
- Unique 4 valve per cylinder technology in this class.
- State of the art common rail fuel injection systems (180 & 200 KVA)
- Longer maintenance interval of 500 hrs.

GENERATING BETTER FUTURE



Mahindra Navistar Powered Genset Rating Chart

Genset Model	kVA	kW	Genset Dimension			Genset Weight (kgs.)
			Length (mm)	Width (mm)	Height (mm)	
SGN125PR	125	100	4000	1450	2000	2300
SGN140PR	140	112	4000	1450	2000	2900
SGN160PR	160	128	4000	1450	2000	3200
SGN180PR	180	144	5000	1600	2800	4500
SGN200PR	200	160	5000	1600	2800	4800



SOME OF OUR ESTEEMED CLIENTS



positively wired

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BRANCH OFFICES :

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BANGALORE | HYDERABAD | VIZAG | CHENNAI | COIMBATORE | BARODA | KOLHAPUR | NAGPUR | INDORE | SURAT | AHMEDABAD | MUMBAI