

SUPERNOVA
Eco Series

180 kVA to 320 kVA



Established in 1985, Supernova Engineers Ltd. is a leading Diesel Electric Genset manufacturer. Supernova Gensets ECO Series is powered by Mahindra Diesel engines ranging from 180 kVA to 320 kVA. Each Supernova Genset is manufactured under a stringent quality assurance process and undergoes rigorous in-house testing in state-of-art manufacturing facility conforming to ISO 3046, BS 5514 and DIN6271.

Salient Features :



Low
Maintenance



700 Hr/1 Yr
service interval



Excellent block loading
capacity with > 55%



Designed for 50 Deg
operation



Compact canopy with
top lifting/Low Foot print



Remote
Monitoring



2 Yr/ 5000 Hrs standard warranty
+5C warranty of 5yr/5000 Hrs
whichever is earlier

Standard Scope Comprising Of :

- Diesel Engine
- AC Generator
- Base frame
- Battery & Battery Cables
- AVMs
- First Fill of Lub Oil
- First Fill of Coolant
- Sensors
- Standard Control Panel
- Radiator
- Silencer
- DEF
- D.G. Set Controller
- Fuel Tank
- Wiring Harness

Options Available :

- ATS/Sync Controller & Sync Panel
- PMG alternator, Space heater

Service Support :

PAN India spares availability through strategically located stock points across the country. Services offered through a strong network of branch offices and resident engineers located at Tier II and Tier III cities and through service dealers.

Warranty :

All equipment have a warranty either against faulty workmanship or manufacturing defects for a period of 26 months from the date of dispatch or 24 months from the date of commissioning or 5000 operating hours. whichever occurs first. This warranty is back to back basis by respective engine and alternator manufacturers This shall however exclude rubber parts and electrical gauges, faults due to mishandling, misuse or improper operation and maintenance.

This warranty applies only if the services and spares during the warranty period and entrusted to Supernova Engineers Ltd. The warranty shall become null and void if the services and spares during the warranty are provided by any unauthorized vendor.

Genset Specifications:

Generator Model	SM – 180 IV+	SM – 200 IV+	SM – 250 IV+	SM – 320 IV+
Duty	Prime	Prime	Prime	Prime
Power Rating kVA / kWe	180/144	200/160	250/200	320/256
No. of Phases	3	3	3	3
Output Voltage and Frequency (V and Hz)	415V/50Hz	415V/50Hz	415V/50Hz	415V/50Hz
Power Factor	0.8	0.8	0.8	0.8
Current (A) FLC	250.20	278	347.50	444.80
RPM	1500	1500	1500	1500
Engine Specification:				
Make	M&M	M&M	M&M	M&M
Model	H6725G4	H6725G4	H6935G1	H6935G2
Power (hp)/(kw)	247/182	247/182	310/228	390/287
Cooling	Liquid cooled	Liquid cooled	Liquid cooled	Liquid cooled
Aspiration	TCIC	TCIC	TCIC	TCIC
No. of cylinders	6	6	6	6
Bore (mm) x Stroke (mm)	105 X 137	105 X 137	116.6 X 146.1	116.6 X 146.1
Compression ratio	17.2 : 1	17.2 : 1	17.2 : 1	17.2 : 1
Displacement (Ltr)	7.12		9.3	9.3
Performance class of generator set	G3 as per ISO8528–5			
Starting system	12 V	12 V	24 V	24 V
Lube oil specification	15W40 Ci4+			
Total lubrication system capacity (Ltr)	20.2	20.2	35	35
Lube oil consumption	0.10%			
Total coolant capacity (Ltr)	24		31	45
Exhaust treatment system	DOC + SCR + Ammonia Dosing			
DEF/Ad Blue capacity in Ltrs	35		50	
DEF/Ad Blue consumption	7 to 8 % Fuel Consumption			
Alternator Specification:				
Alternator Make	Stamford/LS/ Crompton/Mecalte	Stamford/LS/ Crompton	Stamford/LS/ Crompton	Stamford/LS/ Crompton
Genset Dimension (LXWXH) mm	4220X1600X2500	4220X1600X2500	4220X1600X2500	4220X1600X2500
Fuel tank capacity (Ltrs)	500	500	500	500
Weight (Kg)	3225	3290	3730	3830
Control panel	Auto Start Panel	Auto Start Panel	Auto Start Panel	Auto Start Panel
Controller	SEDMAC–GC1116	SEDMAC–GC1116	SEDMAC–GC1116	SEDMAC–GC1116

*Design and specifications are under continuous improvement and are subject to change without notice.

*Prime Power rating corresponds to ISO standard power for continuous operation. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchased power. This is as per ISO 8528.

*The technical data applies to an engine operating on a fuel with a calorific value of 42.7 MJ/Kg (10200 Kcal/Kg) and a density of 0.86 Kg/Liter (7.01 LB/us gal).

AC Generator performance corresponds to IEC- 34,15-4722.

HEAD OFFICE :

SUPERNOVA ENGINEERS LIMITED



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Scan to Visit Us:



Branches :



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SUPERNOVA ENGINEERS LTD, Unit # 208, Level – 2, Prestige Centre Point,
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CHENNAI :

SUPERNOVA ENGINEERS LTD, Las Tower, Old No.13A, New No.61/2, 18/2, Velachery
Main Road, Little Mount, Saidapet, Venkatapuram, Chennai – 600015, Tamil Nadu



COIMBATORE :

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Coimbatore-641018. Tamil Nadu.



HYDERABAD :

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T & A Plaza, Plot No. 12-A, Survey No.71/1, Madhapur, Hyderabad – 500081, Andhra Pradesh



MUMBAI :

Supernova Engineers Ltd, Unit No 609, 6th Floor, Lodha Supremous II, Road No 22,
Wagle Estate, Thane (W). – 400604



PATNA :

SUPERNOVA ENGINEERS LTD, B-22, 2ND FLOOR, LUV KUSH TOWER, EXHIBITION
ROAD, KADAMKUAN, PATNA – 800001, Bihar



RANCHI :

SUPERNOVA ENGINEERS LTD, 502, 5th Floor, Estate Plaza, Kantatoli, Old HB
Road, Behind Mangal Tower, PS Lower Bazaar, Ranchi – 834001, Jharkhand



SURAT :

SUPERNOVA ENGINEERS LTD, Office No. 502/503, Western Business Park,
Opp. SD Jain School, University Road, Vesu, Surat – 395007, Gujarat

Mfg. Facilities :



RAJPUR :

1470/1, Village Rajpur, Tal. Kadi Dist. Mehsana
+91 70690 04225 / +91 70690 04226



SILVASSA :

Survey No. 263/3/2/1, Plot No. 1, Village – Sayali Silvassa, (Dadra Nagar Haveli)

SERVICE TOLL-FREE NO.
1800 313 6009

Dealer for Eastern India



C&B ECOGEN PVT LTD.

CIN No. : U29253WB2011PTC171101

ISO 9001 : 2008 & ISO 14001 : 2004 CERTIFIED COMPANIES

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