



REGISTERED OFFICE

SUPERNOVA ENGINEERS LIMITED

B Wing, F-2, First Floor, Shapath Hexa, Opp. Gujarat High Court,
S.G.Highway, Ahmedabad – 380 060. Gujarat, INDIA.

Call - +91 79-66111136/37/38/39/40

Email - marketing@supernovagenset.com, inquiry@supernovagenset.com

Web - www.supernovagenset.com

Branches

BENGALURU : #4C, 209, 4th Cross, East of NGEF, Kasturinagar, Bengaluru- 560 043

CHENNAI : 1B & 1C, Shivanandam Complex, 3rd Floor, Pulla Avenue, Thiru Vi Ka Park, Shenoy Nagar,
Chennai - 600 030

COIMBATORE : No.81, Dr. Nanjappa Road, Chenny's Chamber, Coimbatore - 641 018

DELHI/HARYANA : 702, 7th Floor, DLF Star Tower, Opp. Exit-8 on Delhi-Jaipur Highway, Sector-30,
Gurugram, Haryana - 122 002

HYDERABAD : 6 & 7, Premises No. 1-7-319, 3rd Floor, Panchsheel Towers, Park Lane,
Secunderabad - 500 003

INDORE : 206, 2nd Floor, Royal Ratan Building, 7 M G Road, Indore 452001 (MP)

LUCKNOW : 2nd Floor, D5, Sector E, Lda Colony, Hindnagar, Kanpur Rd, Lucknow-226012

MUMBAI : 204/205, Agrawal Arcade - VI, Nr. Juhinagar Rly Station, Sector-I, Nerul, Navi Mumbai-Pune Road,
Navi Mumbai - 400 706

PATNA : B-22, Luv Kush Tower, Exhibition Road Crossing, Patna - 800 001

RANCHI : 502, Estate Plaza, Kantatoali, Old HB Road, Behind Mangal Tower, Ranchi - 834 001

MFG. FACILITIES

RAJPUR-MEHSANA : 1470/1, Village Rajpur, Tal, Kadi, Dist. Mehsana, North Gujarat

SILVASSA : Survey No. 263/3/2/1, Silvassa Dadra Nagar Haveli



SUPERNOVA Euro Series

250kVA to 650 kVA
6500 kVA when paralleled



POWERED BY
**VOLVO
PENTA**

the power
to move you

SUPERNOVA

VOLVO
PENTA

Supernova Engineers Ltd is a single window provider of captive power solutions offering state of the art products and services. Supernova manufactures high tech high quality Diesel Electric Gensets that cater to large and multi-sectoral market spectrum. This includes multi-speciality hospitals, data centres, big brand hotels, telecom, other state and privately owned infrastructures, space research organizations, thermal and hydro power stations. Supernova gives business houses in these and more sectors, the power to reach their goals and to grow and profit from high-end captive power solutions.. Supernova is a closely held public limited company with its head office at Ahmedabad and a national network comprising regional offices that cover all major Indian cities.

Supernova EURO SERIES are powered by imported Swedish make Volvo Penta Diesel Engines ranging from 250 kVA to 650 kVA. The complete range is CPCB II compliant and NAL (National Aerospace Agency) approved. Each Supernova Diesel Electric Genset is manufactured under stringent quality assurance process and undergoes in-house testing.

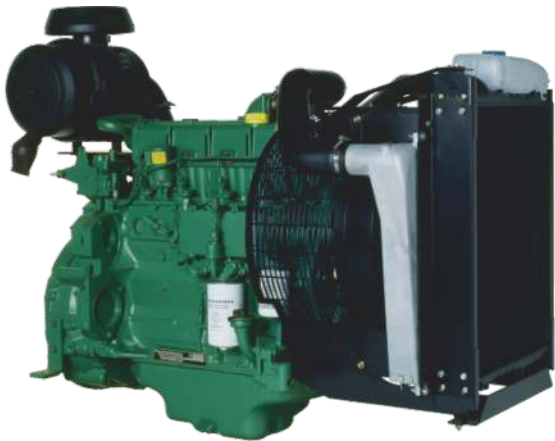
The unmatched fuel efficiency and ease of maintenance are the key factors which makes them preferred choice of customers.

Salient features:

- | Six Cylinders In-line up to 650 KVA Dg Set
- | Low Operating Cost & Maintenance Cost
- | Compact Size for Easier Transportation and Installation
- | High Block Loading Capability
- | Full Authority Electronic Engine Management System
- | Highly Reliable & Highly Fuel Efficient
- | Liner Load vs SFC Curve- Substantial Fuel Saving on Part Load
- | Excellent Power to Weight Ratio
- | Low Vibrations & Emissions
- | Overhead Camshaft: Accurate Valve Timing and Less Moving Part
- | Add on type, specially designed intake air filtration system for dusty application.

Standard Scope Comprising Of:

Diesel Engine / AC Generator / base frame / Standard Control Panel / Radiator / Silencer / Battery & Battery Cables / AVMs / First Fill of Lub. Oil / First Fill of Coolant / D.G. Set Controller / fuel tank / wiring harness / Sensors.



Options Available:

- | Cooling Systems: Heat Exchanger
- | Electrical Options : Auto Mains Failure / Auto Synchronizing and Load sharing Panels.
- | Standard Switchgear - L&T/Schneider, other makes can be offered on request
- | Standard Controllers - Woodward/DIEF/DeepSea, other makes can be offered on request.
- | Extended Warranty

TECHNICAL DATA					
GENSET MODEL	SV 250	SV 320	SV 350	SV 380	SV 415
Engine Model	TAD754GE	TAD1351GE	TAD1352GE	TAD1354GE	TAD1355GE
Type	4 Stroke Water Cooled 1500 RPM Diesel Engine				
Engine BHP	310	389	442	461	502
No. of Cylinders & Arrangement	6 Vertical In-Line				
Governor	Electronic / EMS 2.2				
Fuel System	Unit Injection System				
Bore x Stroke (mm x mm)	108 x 130	131 x 158			
Compression Ratio	17 : 1	18 : 1			
Starting System	24 V DC electric				
Lead Acid type Battery	2 Nos. 150 AH	2 Nos. 180 AH			
Fuel day tank capacity	600 Litres				
Coolant capacity incl. Radiator (Ltrs)	34	24			
Lub Oil Sump Capacity (Ltrs)	31	30			
Lub Oil Consumption (Ltr / hr)	0.05	0.04			
Lub Oil Specification	SAE 15W / 40 (API CI-4, CH-4, CG-4)				
Bare D.G. set Dimensions (L x W x H) in mm	2800x950x1580	3250x1200x1700	3250x1200x1700	3250x1200x1700	3250x1200x1700
Enclosure D.G. set Dimensions (L x W x H) in mm	4400x2000x2800	4400x2000x2980			
Approx. Dry Weight (Genset Only) in Kgs	2300	3100	3300	3400	3500
Approx. Dry weight (Genset + Enclosure) in Kgs	4100	4950	5150	5250	6100

GENSET MODEL	SV 500	SV 600	SV 650
Engine Model	TADI651GE	TWDI652GE	TWDI653GE
Type	4 Stroke Water Cooled 1500 RPM Diesel Engine		
Engine BHP	600	710	767
No. of Cylinders & Arrangement	6 Vertical In-Line		
Governor	Electronic / EMS 2.2		
Fuel System	Unit Injection System		
Bore x Stroke (mm x mm)	144 x 165		
Compression Ratio	16.5 : 1		
Starting System	24 V DC electric		
Lead Acid type Battery	2 Nos. 180 AH		
Fuel day tank capacity	890 Litres		
Coolant capacity incl. Radiator (Ltrs)	60	58	
Lub Oil Sump Capacity (Ltrs)	42		
Lub Oil Consumption (Ltr / hr)	0.1	0.05	
Lub Oil Specification	SAE 15W / 40 (API CI-4, CH-4, CG-4)		
Bare D.G. set Dimensions (L x W x H) in mm	3400x1150x2000	3400x1200x2000	3400x1200x2000
Enclosure D.G. set Dimensions (L x W x H) in mm	5600x2200x3025		
Approx. Dry Weight (Genset Only) in Kgs	3700	3900	4200
Approx. Dry weight (Genset + Enclosure) in Kgs	6400	6600	6900

Note: Continuous developments in the product entities us to change technical specifications, dimensions, scope of work etc.

Power Standards

Engine performance corresponds to ISO 8528, ISO 3046, BS 55 14, DIN 6217. The technical data applies to an engine operations on a fuel with a calorific value of 42.7 MJ / Kg (18360BTU / lb) and a density of 0.84 Kg. / litre (7.01lb / US gal.) Engine speed governing in accordance with ISO 3046 / IV, Class AI and ISO 8528 Class G3. Power output is guaranteed within 0 to +2% at rated ambient conditions.

Rating Guidelines

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. A 10% overload capability is available with this rating for one hour in every twelve hours.