

# NOOR

SOLAR  
INVERTER  
GENERATOR  
TECHNOLOGY

Products and Services Catalogue



Generator Set from 10 KVA to 2500 KVA

We Make Your  
Power Solutions  
Sustainable

# Why NOOR Generator Technology?



## Features & Benefits

- NGT Generators are powered by Perkins Engine, the world leader having over 85 years of innovation and excellence, with customer support in 182 countries from 3,500 outlets.
- NGT Generators are coupled with Leroy Somer France/European Alternators, the global number one in alternators, with over 100 years of experience, having 120+ active patents in over 40 countries and over 80 service centres.
- NGT Generators also use Meccalte alternators, the world's largest independent producer of alternators for 1-5,000 kVA, producing over 1,400 alternators per day across the globe.
- NGT Generators are equipped with DSE controller, one of the world's top manufacturers from UK, having over 40 years of excellence, the most advanced and user-friendly controller in the market.
- Low fuel consumption, saving on fuel spend.
- Compact and rugged design, saving on transport and storage cost.
- Designed to occupy less space considering critical applications and cities where space is at a premium.
- Low noise and vibration, considering critical applications where noise level matters.
- Easy maintenance and long service intervals, saving on maintenance cost.
- Subject to rigorous tests including load acceptance, cooling, vibration and noise level prior shipment to customer.
- Simple to operate and environment friendly in worst ambient conditions.
- Equipped with built-in fuel tank sufficient for 8 to 10 hours of operations.
- Fully Engineering wide range of optional accessories available.

# Our Products & Services

Bahmani General Trading (BGT) is known as the largest stockiest of Perkins Power Diesel Generators in the MENA region.



## Power Generation for Any Industry



# Diesel Generators



## Alternator

We offer world well-known alternator such as Leroy Somer, Mecc Alte & Voltaggio. Four pole brushless self-excited system, Class H insulation, the voltage regulation will be 1% if PMG system is selected, the voltage regulation will be 0.5%, and at the same time PMG system provides high motor starting capability as well as immunity to waveform distortion.



## Engine

We are the authorized OEM of Perkins. Perkins has the highest standard of engineering it provides most comprehensive and reliable power solution. It's products meet the precise requirements of customers; Perkins is a UK based company with history of 85 years. It's one of the leading provider of gas and diesel the world engines.



## Soundproof Canopy

NGT Sound & Weatherproof in housed powder coated galvanized canopy provides durable protection from all type of ambient conditions. Insulated with sound-absorbing and anti-fire material. Efficient in the air flow to the engine cooling. Integrated control panel with easy access.

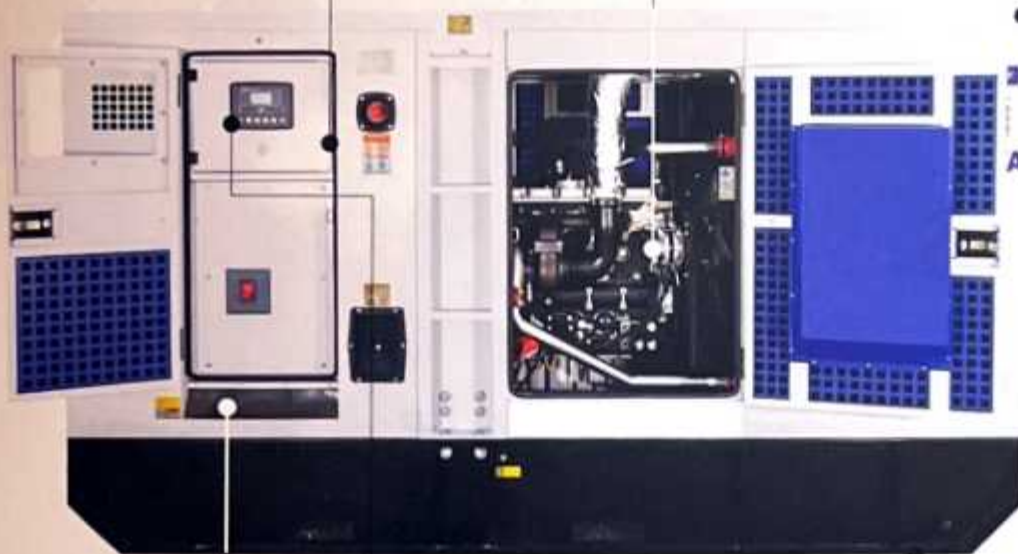


Image is for illustration puprose only



## ATS & Sync Panel (optional)

Easily to operate. Connection with high reliability.

## Control Panel



NGT Generators are provided with DSE integrated control panel. It is responsible for monitoring and protection of Generator. Controller has: AMF & ATS function, Parameters to Protect Engine, Alternator & Mains supply. Running time predetermined, Preventive & Shutdown Alarms, Events Log.

## Baseframe



Fabricated, welded construction base frame. High quality Mild Steel. Integrated base fuel tank. Anti-vibration system. Lifting system. Painted (Power coated or Epox spray painted).

## Strategic Partners:

**Perkins**  
Diesel Power

**LEROY-SOMER** **VOLTAGGIO**

**mecc alte**

**DSE**

NGT 10	9	10	403A-11G1	TAL-040-C	V164B	ECP-25/4
NGT 15	13	15	403A-15G1	TAL-040-C	V164C	ECP3-21/4
NGT 17	15	17	403A-15G2	TAL-040-E	V164D	ECP3-31/4
NGT 22	20	22	404A-22G1	TAL-040-F	V184E	ECP28-1/4
NGT 33	30	33	1103A-33G	TAL-042-C	V184G	ECP32-25/4
NGT 50	45	50	1103A-331G1	TAL-042-F	V224D	ECP32-11M/8
NGT 66	60	66	1103A-331G2	TAL-042-H	V224E	ECP34-25/4A
NGT 88	80	88	1104A-441G2	TAL-044-C	V224G	ECP34-25/4A
NGT 110	100	110	1104C-441AG2	TAL-044-D	V274C	ECP34-25/4A
NGT 150	135	150	1106A-701G1	TAL-044-H	V274E	ECP34-21/4
NGT 165	150	165	1106A-701AG2	TAL-044-J	V274F	ECP34-21/4
NGT 200	180	200	1106A-701AG3	TAL-046-A	V274G	ECO38-15N/4
NGT 220	200	220	1106A-701AG4	TAL-046-B	V274H	ECO38-25N/4
NGT 250	230	250	1506A-E881AG2	TAL-046-C	V274J	ECO38-35N/4
NGT 275	250	275	1506A-E881AG3	TAL-046-D	V274K	ECO38-11N/4
NGT 330	300	330	1506A-E881AG5	TAL-046-F	V314E	ECO38-21N/4
NGT 400	350	400	2206C-E131AG2	TAL-046-H	V314F	ECO38-31N/4
NGT 450	400	450	2206C-E131AG3	TAL-047-A	V314G	ECO40-15/4
NGT 500	450	495	2506C-E151AG1	TAL-047-B	V354C	ECO40-25/4
NGT 550	500	550	2506C-E151AG2	TAL-047-C	V354D	ECO40-35/4
NGT 660	600	660	2806C-E181AG1A	TAL-047-E	-	ECO40-1.5L/4
NGT 700	650	700	2806A-E181AG2	TAL-047-F	-	ECO40-2L/4
NGT 825	750	825	4006-231AG2A	TAL-049-C	-	ECO43-15N/4
NGT 900	800	900	4006-231AG3A	TAL-049-C	-	ECO43-15N/4
NGT 1000	900	1000	40081AG1A	TAL-049-D	-	ECO43-11N/4
NGT 1100	1000	1100	40081AG2	TAL-049-E	-	ECO43-11N/4
NGT 1375	1250	1375	4012-461WG2A	LSA50.2 M6	-	ECO43-2L
NGT 1650	1500	1650	4012-461AG2A	LSA50.2 L8	-	ECO46-15
NGT 1856	1688	1856	4012-461AG3A	LSA52.3 S5	-	ECO46-25
NGT 2000	1850	2000	40161AG1A	LSA52.3 S5	-	ECO46 1.5L4 A
NGT 2250	2000	2250	40161AG2A	LSA52.3 S6	-	ECO46-1U/4
NGT 2500	2250	2500	4016-611RG3	LSA52.3 L9	-	ECO46 1.5U/4



# Diesel Generators Technical Specifications

Canopy / Enclosure Type Dimensions				Open Type Dimensions			
L(mm)	W(mm)	H(mm)	Weight (Kg)	L(mm)	W(mm)	H(mm)	Weight (Kg)
2000	900	1180	690	1200	750	1180	350
2000	900	1180	810	1200	750	1100	430
2000	900	1180	810	1200	750	1100	430
2150	950	1280	790	1300	750	1250	500
2300	950	1260	1140	1500	800	1250	700
2500	950	1260	1180	1500	800	1200	700
2500	950	1260	1300	1700	800	1250	890
2800	1100	1370	1570	1900	900	1320	1010
2800	1100	1370	1700	1900	900	1320	1060
3200	1100	1470	2070	2350	950	1520	1480
3200	1100	1800	2180	2350	950	1520	1580
3200	1100	1800	2340	2350	950	1520	1580
3200	1100	1800	2420	2450	950	1570	1700
3800	1300	1900	3190	2700	1100	1850	2290
3800	1300	1900	3260	2700	1100	1850	2300
3800	1400	2100	3620	2900	1150	1850	2680
4200	1500	2200	4410	3300	1150	2100	3240
4200	1500	2200	4620	3300	1150	2100	3290
4800	1700	2305	5150	3500	1250	2120	3800
4800	1700	2305	5770	3500	1250	2120	3840
4800	2000	2430	6210	3500	1250	2120	3940
4800	2000	2430	6240	3500	1250	2120	4150
5800	2150	2545	8015	4100	1750	2310	4750
5800	2150	2540	8500	4100	1750	2210	4800
6058	2438	2591	12590	4700	2050	2300	7590
6058	2438	2591	12611	4700	2050	2300	7611
12192	2438	2896	19154	5100	2220	2300	9154
12192	2438	2896	21580	5100	2220	2350	11580
12192	2438	2896	21580	5100	2220	2400	11580
12192	2438	2896	26500	6600	2250	2750	16500
12192	2438	2896	26500	6600	2250	2750	16500
12192	2438	2896	26500	6900	2250	2750	17500

## Automatic Transfer Switch

Automatic Transfer Switches (ATS) are installed when a system requires hassle-free switching between two power sources. ATS Panels are used to switch the load or industry electrical power to generator in case of power failure from city power.



Image is for illustration purpose only

### Specifications:

- Power Rating 1kVA ~ 1500kVA or above
- System Voltage 380 ~ 1000VAC
- Wall / Floor Standing
- With Motorized Air Circuit Breakers (ACBs)
- With manual bypass or without manual bypass
- Mains with Generator or Generator with Generator Function
- Steel Sheet / GRP Enclosures
- With Magnetic Contactors
- With Motorized MCCB

## Synchronization & Paralleling System

NGT manufactures auto and manual PLC based synchronizing panel that has all control gears and switchgear necessary for synchronizing operation such as breakers, protection relays and synchronizing meter. Manual Synchronizing Panel is provided in all controls and meters to observe various parameters for manual operation. Auto synchronizing panel comprises of special relays that automatically perform synchronization. In addition, we also provide sharing relays so that each DG shares equal load and load management relays to control starting and shutting off generators depending upon load requirement.

### Specifications:

- Synchronization of generators up to 32 sets
- With Magnetic Contactors
- With Motorized MCCBs
- With Motorized Air Circuit Breakers (ACBs)



Image is for illustration purpose only

Due to continuous research and product development, we reserve the right to change specifications without any notice



- Annual Maintenance Contract (AMC)
- Generator installation
- Testing and Commissioning
- Extended warranty



## After Sales Technical Support



### Technical Assistance

Permanent technical assistance, performed remotely by phone or on site.



### Spare Parts

Spare parts supply for industrial diesel engines, alternators and generators of all brands.



### Major Overhauling

Generator refurbishment services to improve obsolete generators and to guarantee full operation.



### Maintenance and Repair

Integrated and customized monitoring of your equipment, to maximize its usage



### Solutions and Projects

Tell us what you need. We carry out projects and solutions tailored to every need



### Start-up and Training

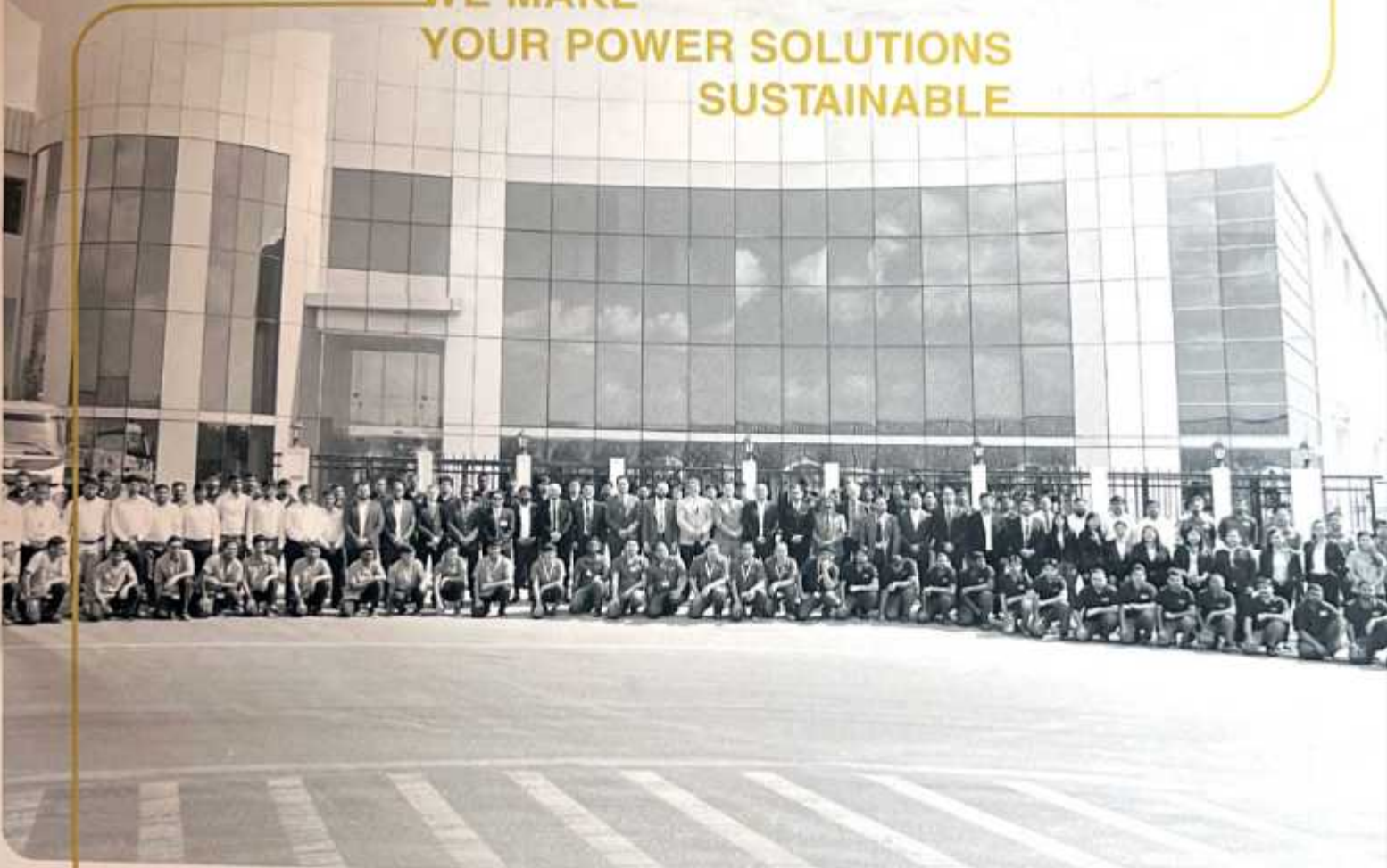
Verification of the installation, of the equipment as a whole, and conduction of functional tests.



## Our Sales and Service Team



**WE MAKE  
YOUR POWER SOLUTIONS  
SUSTAINABLE**



## Our Factory Team