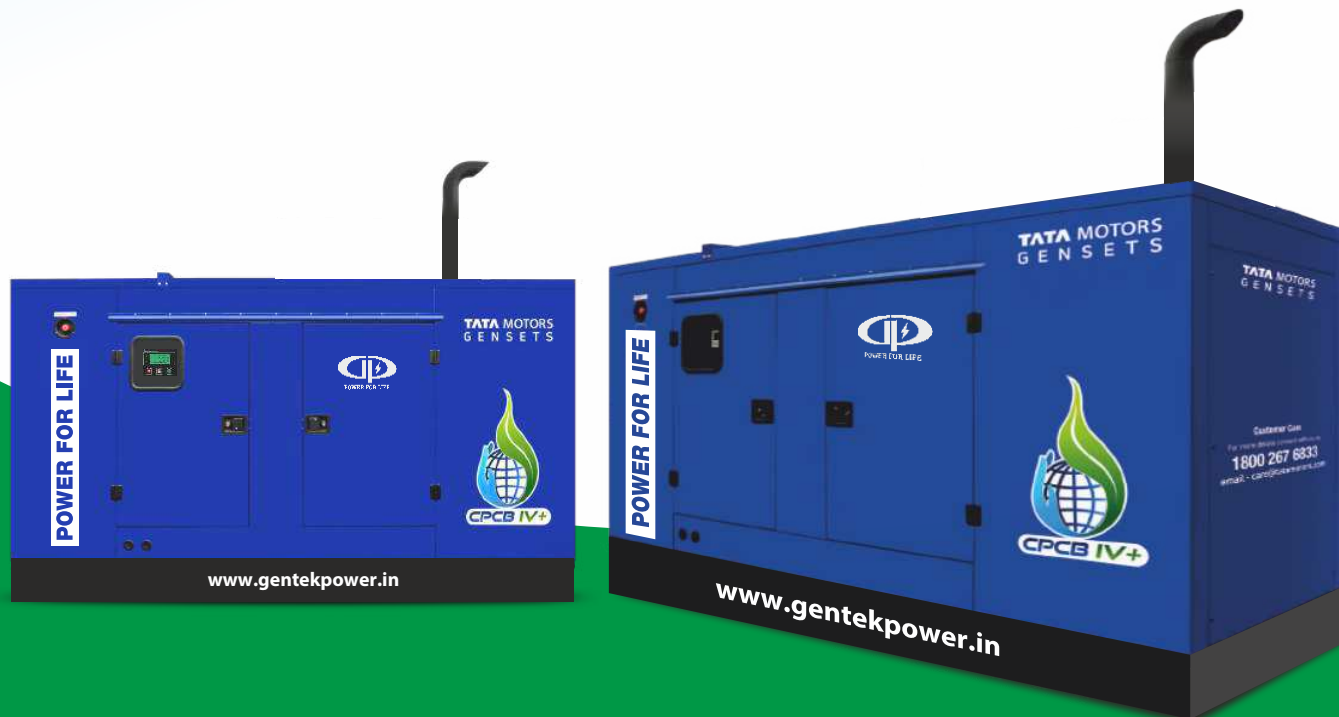


TATA MOTORS
GENSETS

Better
Always

CPCB IV+

COMPLIANT GENERATORS
25KVA TO 125 KVA



GENTEK POWER
Engine & Silent Diesel Generator Set

Auth. GOEM For **TATA MOTORS GENSETS**

✉ gentekpowerltd@gmail.com 🌐 www.gentekpower.in



Engine

Tata Motors sets the standard with prime-rated Generator engines, offering a current range from 25 to 125kVA. Tata Motors engines are a testament to reliability and durability and are known for their unmatched performance. Tata Motors offers proven technology, thanks to thousands of engineers working round the clock to offer the most fuel-efficient engines resulting into the lowest cost of ownership at the Genset level. All Tata Motors CPCBIV+ Gensets have CRDI engines at their heart of operations. Common rail direct injection technology, popularly known as CRDI, provides a significant upgrade over traditional mechanical fuel injection systems. CRDI provides precise fuel control, multiple injections, enhanced performance & durability, lower noise and reduced emissions.

Alternator

- Brushless type, Screen protected, Revolving field, Self-excited alternator conforming to IS/IEC 60034-1
- Better motor starting capability
- Best in class efficiency
- Compact design with sealed bearings for longer life and lesser maintenance
- Impregnation on all wound components for better mechanical strength



Acoustic Enclosure

DGSET acoustics is specially designed to meet stringent CPCB / MOEF norms of below 75 DBA @ 1 Meter at 75% load under free field conditions.

- The acoustic enclosure is made 14/16 gauge thick CRCA sheets and a structural / sheet metal base frame painted in black is of 3mm.
- Smaller footprints: - Compact in size with ample space in acoustic for Easy Maintenance. Also fit in low space criteria in various applications
- Door Locks and Door Hinges are made in Stainless Steel for long life.
- Auto Start / Auto Stop, Remote Start / Auto Stop as a standard features.
- Have Easily detachable Fuel Tank (periodic cleaning as and when required)
- Centre lifting of dgset as standard design



Control Panel with Deepsea Controller

Display Parameters	Visual warning	Shut-down with Visual Annunciation
Engine Oil pressure	Low Oil pressure	Low Oil pressure
Coolant temperature	High Coolant temperature	High Coolant temperature
Fuel level indication in %	Low Coolant Level	Low Fuel
Oil Temperature	Low Battery Voltage	Under Voltage
Battery Voltage	High Battery Voltage	Over Voltage
Engine rpm (alternator voltage)	Low fuel level	Under frequency
DG set hours run	Unbalance Load	Over frequency
Gen. Volts (phase-neutral and phase-phase)	High/low Frequency	Over Current
Gen. Current (Amps.)	Over Load current	Excitation volt
Power factor /Kwhr/Kw	High / low Voltage	High/Low Engine RPM

TECHNICAL SPECIFICATIONS

DG MODEL	UNIT	TGP 25	TGP 30	TGP 35	TGP 40	TGP 45	TGP 50	TGP 58.5	TGP 70	TGP 75	TGP 82.5	TGP 100	TGP 125
POWER RATING	KVA	25	30	35	40	45	50	58.5	70	75	82.5	100	125
ELECTRIC POWER	kWe	20	24	28	32	36	40	47	56	60	66	80	100
Canopy size	(LxBxH)	2370 x 1100 x 1480	2370 x 1100 x 1480	2370 x 1100 x 1480	2550 x 1100 x 1480	2550 x 1100 x 1480	2550 x 1100 x 1480	2550 x 1100 x 1480	2800 x 1100 x 1710	2800 x 1100 x 1710	2800 x 1100 x 1710	3300 x 1250 x 1920	3300 x 1250 x 1920
DGSET weight	kgs	900	950	980	1050	1100	1200	1300	1490	1510	1550	1850	1950
Fuel Tank Capacity	lts	100	100	100	125	125	125	125	150	150	150	250	250
Battery	Ah	80	80	80	80	80	80	90	90	90	90	130	130
Starting Voltage	V	12	12	12	12	12	12	12	12	12	12	12	12
Engine Make & Model		TATA 4SP	TATA 4SP	TATA 4SP	TATA 4SP	TATA 4SP	TATA 4SP	TATA 4SP	TATA 497TC	TATA 497TC	TATA 497TC	TATA 697TC	TATA 697TC
Engine rated power	kW/hp	32/43	32/43	32/43	56/75	56/75	56/75	56/75	76/103	76/103	76/103	118/158	118/158
Rated RPM		1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
No. of Cylinder		4	4	4	4	4	4	4	4	4	4	6	6
Aspiration		TOIC	TOIC	TOIC	TOIC	TOIC	TOIC	TOIC	TOIC	TOIC	TOIC	TOIC	TOIC
Bore x Stroke	mm x mm	97 x 100	97 x 100	97 x 100	97 x 100	97 x 100	97 x 100	97 x 100	97 x 127	97 x 127	97 x 127	97 x 127	97 x 127
Displacement	cc	2956	2956	2956	2956	2956	2956	2956	3784	3784	3784	5675	5675
Lube oil capacity (Appx.)	Lts	8.3	8.3	8.3	8.3	8.3	8.3	8.3	11.5	11.5	11.5	16	16
Coolant Capacity (Appx.)	Lts	12	12	12	12	12	12	12	16	16	16	23	23
Fuel Injection System		CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI
Governing		ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
Oil Change period		500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year	500 hrs/1 year
Lube oil Specification		15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +	15W40 CK4 +
DEF capacity	Lts	NA	NA	NA	NA	NA	NA	NA	25	25	25	25	25
Alternator Make		Stamford/Meccalte											
Alternator Type		Single bearing Brush less/H class insulation/ IP23 protection											
Voltage	V	230/415	230/415	230/415	230/415	415	415	415	415	415	415	415	415
Frequency	Hz	50	50	50	50	50	50	50	50	50	50	50	50
Power Factor	PF	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Rater current	Amps	35/108	41/130	48/146	55/166	63	70	82	97	127	114	139	173
Controller Make & Model		Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520	Deepsea 4520

Manufacturer reserves the right to change each / any of the product features / specification without any notice.

Colours shown may vary from actual product colours.



Low
operational cost



Reduced
emissions



Best-in-class
product support



Prime rating Gensets



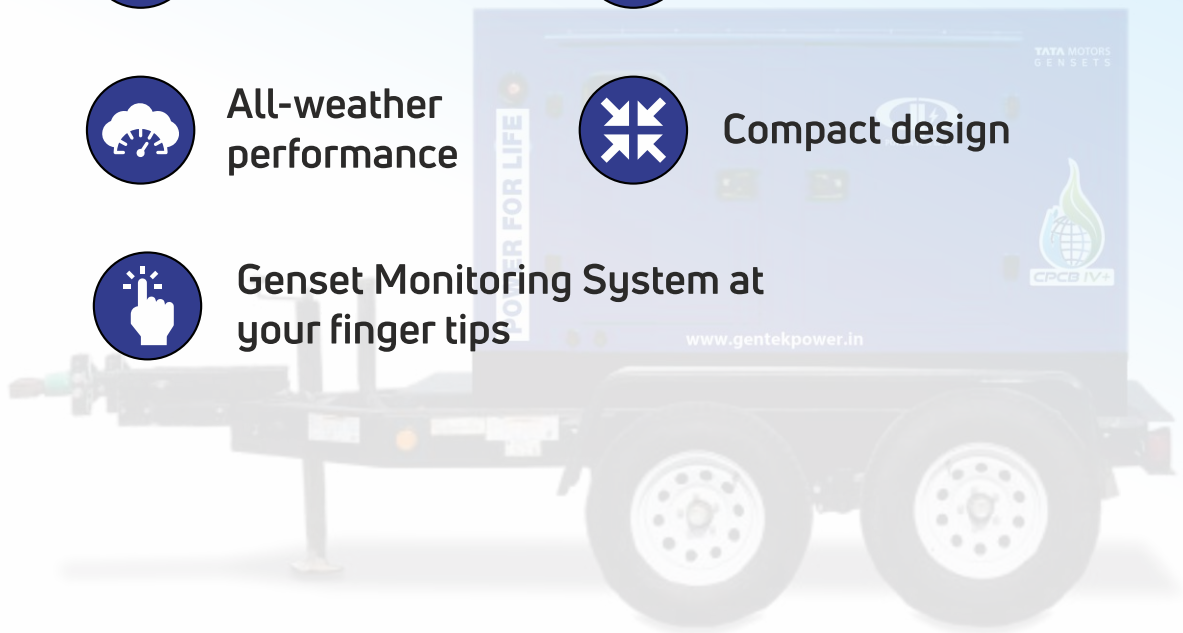
All-weather
performance



Compact design



Genset Monitoring System at
your finger tips



Optional Features

- Fully AMF with best in class contactors
- Remote monitoring system through DATOMS interface facility
- Multi EB input AMF system.
- Auto Transfer Switch (ATS)
- Cold starting Kit
- Customization for Trolley Trailer mounted sets