

# **SENTINEL**

**2.8 kW - 7.5 kVA  
GENSET**

**READY STEADY  
POWER**



## India's Largest Fleet of Gensets



Lowest Footprint



Fuel Saving



Easy Mobility on Wheels

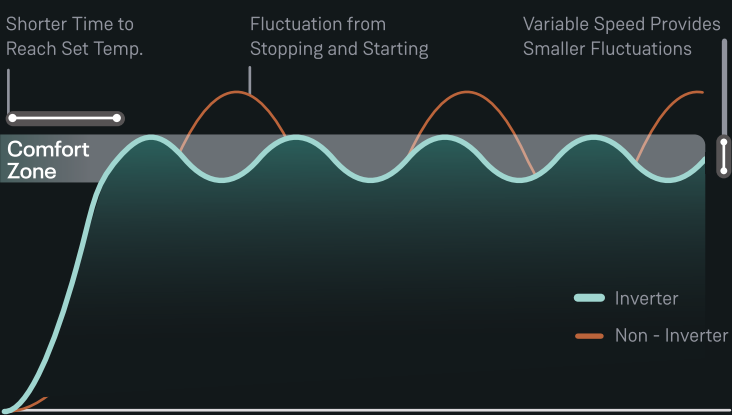


Aesthetical

# Inverter Technology

An inverter generator is a type of portable generator that produces AC (Alternating Current) power, like a conventional generator, but converts it into DC (Direct Current) and back into a cleaner and more stable AC power using clever electronic circuitry.

- India's #1 Genset Brand
- Inverter technology
- Easy to handle
- Low operating cost



## The versatile power generator solution

| Combined possible load on 2.8 kW* | Estimated equipment's watts | No. of units |
|-----------------------------------|-----------------------------|--------------|
| LED Lights                        | 10                          | 8            |
| CFL Lightning                     | 30                          | 8            |
| Tube Light                        | 45                          | 6            |
| Celling Fan                       | 60                          | 6            |
| Refrigerator                      | 300                         | 1            |

| Combined possible load on 2.8 kW* | Estimated equipment's watts | No. of units |
|-----------------------------------|-----------------------------|--------------|
| Computer                          | 300                         | 2            |
| Washing machine                   | 350                         | 1            |
| TV LED Type 32"                   | 32                          | 2            |
| Air Conditioning                  | -                           | -            |
| Any other units                   | -                           | -            |

## 2.8 kW, 3.5 kVA , 5.5 kVA & 7.5 kVA

Petrol & Diesel Genset

### India's #1 Genset brand

- With over 1 million Gensets in operation
- Our advanced power solutions extend up to 16 MW, ensuring reliable performance across all varying customer needs

### Unmatched Service Network

- Backed by 5,000+ skilled engineers and a network of 450+ fully-equipped service centres
- Hassle-free support—just contact our customer service, and an authorized representative will be at your doorstep!

### Advanced Power Solutions

- Aesthetically appealing enclosure with lowest footprints matching today's customer requirements
- Effortless portability for ultimate convenience —from beach parties to jungle camps
- Automatic start<sup>#</sup> for uninterrupted power
- Compliant with the latest noise and emission regulations for an eco-friendly operation



\* This is just for illustration & various combinations as per respective needs are possible.

\*\* However in Case of AC operation requirement, there would be change in other connected loads and as such you are requested to contact authorised Kirloskar genset sales experts.

<sup>#</sup> AMF Panel is available only for diesel variants of Kirloskar Sentinel Gensets

TECHNICAL SPECIFICATIONS

| Particular                                |              | PETROL          |                  | DIESEL          |                 |                  |
|-------------------------------------------|--------------|-----------------|------------------|-----------------|-----------------|------------------|
| Rated Output at 230V / 50Hz               | kVA          | –               | –                | 3.5 kVA         | 5.5 kVA         | 7.5 kVA          |
|                                           | kW           | 2.8 kW          | 5 kW             | 2.8 kW          | 4.4 kW          | 6 kW             |
| Rated current at Unity PF                 | A            | 12.17           | 21.74            | 12.17           | 19.13           | 26.09            |
| Rated current at 0.8 PF                   | A            | –               | –                | 15.22           | 23.91           | 32.61            |
| Genset model                              |              | KG4 - PP - 3AS  | KG4 - PP - 5AS   | KG4 - P - 3.5AS | KG4-P-5.5AS     | KG4-P-7.5AS      |
| Voltage                                   | V            | 230             | 230              | 230             | 230             | 230              |
| Sound Level                               | LWA / dB(A)  | < 86 LWA        |                  | < 75 dB (A)     |                 |                  |
| Fuel Consumption**                        | At 100% Load | 1.62            | 2.83             | 1.11            | 1.69            | 2.0              |
|                                           | At 75% Load  | 1.3             | 2.37             | 0.93            | 1.36            | 1.7              |
|                                           | At 50% Load  | 1               | 1.88             | 0.78            | 1.07            | 1.1              |
| Fuel Tank Capacity                        | Ltrs         | 12.5            | 12.5             | 12.5            | 12.5            | 26               |
| Overall Dimensions of Genset (L x W x H)^ | mm           | 720 X 525 X 675 | 1040 X 550 X 685 | 950 X 595 X 855 | 950 X 595 X 855 | 1135 X 730 X 860 |
| Weight of Genset with Canopy approx^      | Kg           | 83              | 150              | 170             | 170             | 266              |

ENGINE

|                                                        |      |                                 |                   |                                               |            |                        |
|--------------------------------------------------------|------|---------------------------------|-------------------|-----------------------------------------------|------------|------------------------|
| Engine Model                                           |      | CCP 196                         | CCP389            | CC 418 G1                                     | CC 418 G1  | CC 519                 |
| RPM                                                    |      | 3000                            |                   |                                               |            |                        |
| Rated Output (Prime Continuous rating) as per ISO 3046 | kWm  | 4                               | 6.5               | 5.5                                           | 5.5        | 7.2                    |
|                                                        | HP   | 5.5                             | 8.8               | 7.47                                          | 7.47       | 9.8                    |
| Cubic Capacity                                         | cc   | 196                             | 389               | 418                                           | 418        | 519                    |
| Lube Oil Change Period \$                              | Hrs  | First 20 hr. then Every 100 hr. |                   | 100                                           |            |                        |
| Lube Oil Sump Capacity                                 | Ltrs | 0.6                             | 1.1               | 1.65                                          | 1.65       | 1.7                    |
| Starting System                                        |      | Electric / Recoil               | Electric / Recoil | Electric                                      | Electric   | Electric               |
| Low Oil Level alert (Trip)                             |      | Yes                             | Yes               | Low Lube Oil Level-No, Low Lube Oil Press-Yes |            | Low Lube Oil Press-Yes |
| Overload Warning                                       |      | Yes                             | -                 | Yes                                           | Yes        | Yes                    |
| Battery Charging                                       |      | Yes                             | Yes               | Yes                                           | Yes        | 12V, 8A SMPS Charger   |
| Eco Throttle                                           |      | Electronic                      | Mechanical        | Mechanical                                    | Mechanical | Mechanical             |

INVERTER

|                                     |    |                                                       |      |                                                 |      |                                           |
|-------------------------------------|----|-------------------------------------------------------|------|-------------------------------------------------|------|-------------------------------------------|
| Inverter Capacity                   | kW | 2.8                                                   | –    | 4.4                                             | 6    | 8                                         |
| % THD (Voltage)                     |    | < 5%                                                  | < 5% | < 5%                                            | < 5% | < 5%                                      |
| Display Parameters                  |    | Digital Multi Fu'n Meter<br>Voltage, Frequency, Hours |      | KG645-Controller<br>(Voltage, Frequency, Hours) |      | Microprocessor based<br>Genset controller |
| Fuel Gauge ( Mech. Level Indicator) |    | Yes                                                   | Yes  | Yes                                             | Yes  | Yes                                       |
| AC Output connector                 |    | Yes                                                   | Yes  | Yes                                             | Yes  | Yes                                       |
| AC Circuit Breaker                  |    | Yes                                                   | Yes  | Yes                                             | Yes  | Yes                                       |

Notes:  
^ Standard Tolerances Apply  
\*\* 5% Tolerance ; 5% Tolerance with ECO Mode for 2.8 kW Petrol  
\*\*\* Some Electrical Appliance motor take more power during startup than rated power  
\$ At NTP

Genset Model will be available in 4 wheel configuration  
For regular Operation do not exceed rated power



SHAPING THE FUTURE.  
DELIVERING POWER TO OVER 50+ COUNTRIES.

INGENIOUS DESIGN.  
UNMATCHED PERFORMANCE.

KIRLOSKAR OIL ENGINES LIMITED  
A Kirloskar Group Company

Regd. Office: 13, Laxmanrao Kirloskar Road,  
Khadki, Pune, Maharashtra 411 003  
INDIA



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FOR A

*limitless*  
T O M O R R O W



Tel: +91 (20) 2581 0341  
Fax: +91 (20) 2581 3208, 2581 0209  
Helpline: +91 8806 33 44 33  
koel.sales@kirloskar.com

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