

# LX POWER

GENSETS & SOLAR POWER SERVICES  
An ISO 9001:2008 certified company



## LX POWER THE COMPLETE ENERGY SOLUTIONS.

**LX Power  
Solar Panel**

Available From  
10 Watt to 1000 KWP

**LX Power  
DG Set**  
Available From  
2.5 KVA to 3000 KVA

**CPCB-II, MNRE, NSIC, MSME Certified**



## Engine Features and Benefits

- Basic engine noise level very low. Contributes to bettering the statutory MoE stipulated noise level of 75 dB(A) for the DG Set.
- Lowest exhaust emissions. Meets the next generation CPCB and US Ties-2 norms.
- Individual cylinderhead design. Savings on maintenance, cost and time.
- Modular design. High degree of commonality of hardware and components over entire range.
- Easy accessibility of all maintenance parts.
- Deep skirted crank case design. High degree of rigidity and ruggedness.
- Higher reserve margins in the lube and cooling circuits - gives the benefit of increased wear life of the engine, extended period between overhauls and hassle-free operation especially at high ambient temperatures commonly seen across the Indian sub-continent. Operates efficiently at temperatures from -20°C to 50°C.
- Wet liner construction eliminates time consuming and expensive block re-boring during overhauls.
- Gear-driven water pump (40 kVA onwards) improves the reliability of the cooling system.
- Easy fitment of electronic governor when required.

## LX Power DG Sets - State-of-the-art Acoustic Enclosures

- Most compact acoustic enclosures. Best-in-class in India. Have the smallest footprint and space envelope. Saves space, a very precious resource in an increasingly crowded world.
- Liberally designed doors with easy access for maintenance.
- Easy access to radiator for maintenance and wide cable entry provision.
- Toughened glass inspection window for clear view of control panel.
- Green passivated / stainless steel fasteners and hardware for trouble-free operation.
- Fabricated out of 1.2/1.5/2 mm CRCA steel after 9 tank surface pre-treatment and pure polyester powder coating in a fully automated process with CNC / Laser machines.
- Excellent UV resistance. High retention of surface finish in outdoor installations and corrosive environments.
- Acoustic insulation with Foam / Rockwool material conforming to IS 8183.
- Water and lube oil drain outlets located on the outer surface - Leading to ease of maintenance and cleanliness.
- Lowest vibrations - Most suitable for roof-top installations.

## DG Set Controller

The unique integrated DG Set controller incorporates both engine and alternator parameters in one console. This micro-processor based controller provides the most exhaustive display of critical engines and alternator performance parameters with alarm and safety features.

Display Parameters	Audio-Visual Warning	Shut-down with Audio-Visual Annunciation
Engine oil pressure, Coolant temperature, Fuel level indication %, Battery voltage, Engine rpm, DG set hours run, Gen. volts (phase-neutral and phase-phase), Gen. current (Amps), Power factor, kWhr, kW	Low oil pressure, High coolant temperature, Low battery voltage, Low fuel level	Low oil pressure, High coolant temperature, Engine over speed, Engine under speed, Under voltage, Over voltage, Over frequency, Under frequency, Low water level*, High canopy temp*



\*Applicable for 160kVA and above

The controller has data logging facility for the latest 10 faults recorded and option for RS232 / RS485 connectivity for remote monitoring / BMS integration.

### Scope of Supply

The RTU DG Set is supplied with the following standard accessories

- Inbuilt control panel with complete internal wiring/cabling
- Residential silencer - mounted with complete exhaust piping
- 12V 88 AH battery/ 24V, 2 x 180 AH battery
- Inbuilt fuel tank

### Optional

- Electronic governor in lieu of mechanical governor
- AMF control panel with auto change-over feature and synchronising panels
- Cold starting aid
- Trailer / Trolley mounted mobile sets
- Single phase alternator in lieu of 3 phase

**We produce solar pv modules with the light & energy output & unmatched reliability.**

Based on latest technology and best quality material. These Solar Panels are especially designed to bear extreme weather condition in India.

Solar Panels are devices that convert light into electricity. A Solar Panel is a collection of small Solar cells spread over a large plate these cells work together to generate power, that can be used for different purpose. Lx power solar panels are specially designed to generate optimum energy from sunlight while with standing the roughest of conditions in a variety of applications.

## Polycrystalline solar modules

- Maximum nominal performance under STC (Standard Testing Conditions) between 250W and 330W depending on the model.
- 60-72 cells (6 inch)
- Positive power tolerance of between 0 and 3%

### TP660P 60 CELL SERIES



#### KEY FEATURES

**275W**

Highest power output

**10 years**

Material & workmanship warranty

**PID Free**

Certified by TUV Rheinland

**25 years**

Linear power output warranty

- Positive power tolerance: 0-+3%
- Robust design: Certified to withstand up to 2400 Pa wind load and up to 5400 Pa snow load
- Proved high reliability built on dozens of projects
- Four busbar cell: Improve the efficiency of modules

### TP672P 72 CELL SERIES



#### KEY FEATURES

**330W**

Highest power output

**10 years**

Material & workmanship warranty

**PID Free**

Certified by TUV Rheinland

**25 years**

Linear power output warranty

- Positive power tolerance: 0-+3%
- Robust design: Certified to withstand up to 2400 Pa wind load and up to 5400 Pa snow load
- Proved high reliability built on dozens of projects
- Four busbar cell: Improve the efficiency of modules

### TWINKLE 60 CELL SERIES



#### KEY FEATURES

**100% PID Free 10 years**

Material & workmanship warranty

**30 years**

Linear power output warranty

- Excellent corrosion resist, build to last in the harsh environment such as desert, seaside and water front
- Robust design: Certified to withstand up to 2400 Pa wind load and up to 5400 Pa snow load
- Four busbar cell: Improve the efficiency of modules

### FEATHER 2.0 60 CELL SERIES



#### KEY FEATURES

**26%**

Lighter

**10 years**

Material & workmanship warranty

**PID Free**

Certified by TUV Rheinland

**25 years**

Linear power output warranty

- 2 mm thin front glass and 30 mm thin frame
- Robust design: Certified to withstand up to 2400 Pa wind load and up to 5400 Pa snow load
- Fully automated production line: Better and more consistent product quality
- Four busbar cell: Improve the efficiency of modules

## QUALITY WARRANTY

TALESUN guarantees that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 and UL1703 under normal installation, use and maintenance as specified in Talesun's installation manual for 10 years from the warranty starting date.



## ABOUT TALESUN

Zhongli Talesun Solar Co., Ltd. is one of the world's largest integrated PV manufacturers. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. With over 3.5

## PERFORMANCE WARRANTY

### Polycrystalline Solar Cell Modules

- During the first year, TALESUN guarantees the nominal power output of the product will be no less than 97.5% of the labeled power output.
  - From year 2 to year 24, the nominal power decline will be no more than 0.7% in each year; by the end of year 25, the nominal power output will be no less than 80.7% of the labeled power output.
- GW of modules installed globally, we are a leading solar energy company built upon proven product reliability and sustainable performance.

## AREAS OF APPLICATION

### Mines

Generating sets provide this see for a prime power source to supply machines and facilities, Particularly in isolated sites and difficult environments. While also enabling rapid deployment.



### Industry

Lx Power generating sets offers available and robust solution for industrial applications into the production and back-up mode, accompanied by an unbeatable level of service.

### Communications

Lx Power generating sets are capable of supplying emergency or continuous power ensuring a low operating cost, long maintenance interval, low fuel consumption, large tank giving long operating time, and remote access.



### Construction Sector

The construction sector requires robust, flexible and reliable generating sets. They are used in production or as back-up, always in low-noise versions. Lx power offers fixed and mobile generating sets to power your construction sites and your rental fleets.

### Health Care

Safe and reliable service is fundamental in the healthcare sector. Lx power offers a targeted power response to the health care sector.



## Solar solutions for everyone, every where



**Solar For Home**



**Solar For Office**



**Solar For Hospitals**



**Solar For School**



**Solar For Pumps**

Our Solar Products and solutions are made to meet all kinds of solar from 30w to 30 mw . We have solarized lakh of homes, offices schools and hospitals in India.

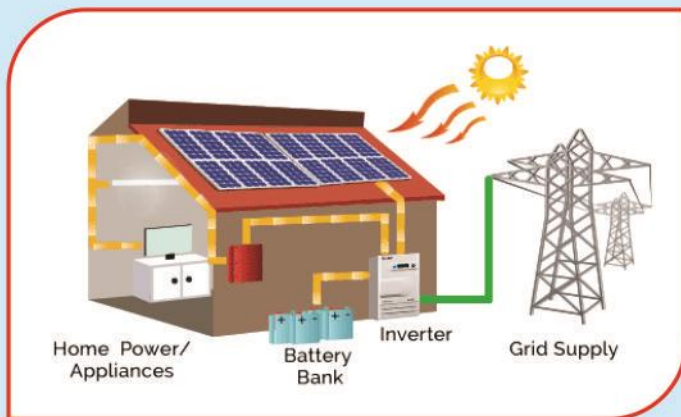
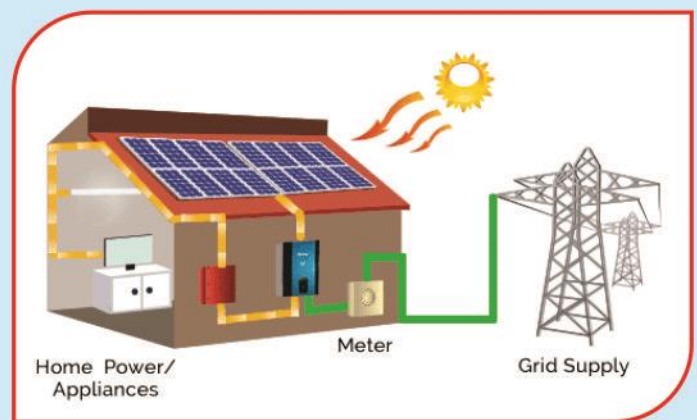
## Lx Power Solar solutions can delivered the following benefits to its Clients:

- Saving on utility bills from day 1.
- Higher plant output through innovation in engineering.
- Customized projects with cost optimization.
- Swift hassle-free execution leveraging strong relationships and professional installers.
- Remote monitoring and troubleshooting for continual generation.

## 3 Types of Solar Solutions for... Homes, Petrol Pumps, Hospital & Offices

### Grid Tie Solar

The most modern solar system are grid connect. A grid connected system is linked to the main electricity grid and doesn't require the use of batteries.



### Off Grid Solar Power Systems

An off grid residential system is completely disconnected from the traditional electric power grid without a connection to the electricity grid, batteries are essential to balance periods of excess production and excess demand.

### Portable Solar Systems

There are portable solar systems available for a wide range of applications including farming, fishing and Camping. Designed for Constant mobility. Portable solar panels are typically light weight and robust and can be setup, quickly to provide power in situation where main electricity is unavailable.



**Manufacturers & Supplier of Electrical Control Panel**

Wide range of products which include electrical control panel such as PMCE, Panel such MCE Panels. Distributer or Panels, AMF Panels, Synchronization Panel and many more items...



**Sales and Service Network**



**Our Esteemed Customers**



**LX Power Engineering Private Limited**

**(AN ISO 9001:2008 CERTIFIED COMPANY)**

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