

CPCB-II, MNRE, NSIC, MSME Certified

LXKPOWE GENSETS SERVICES An ISO 9001:2008 certified oc	LXX POWER SENSETS SERVICES An ISO 9001:2008 certified company	A																DG Set	DG Set Technical Specifications*	Specific	ations*
Model	LXPII-10	LXPII-15	LXPII-20	LXPII-25	LXPII-30	LXPII-40	XPII-45	XPII-50	LXPII-10 LXPII-15 LXPII-20 LXPII-25 LXPII-30 LXPII-40 LXPII-45 LXPII-50 LXPII-62,5 LXPII-75		LXPII-82.5	LXPII-100	LXPII-125	LXPII-160	LXPII-180	LXPII-200	LXPII-82.5 LXPII-100 LXPII-125 LXPII-160 LXPII-180 LXPII-200 LXPII-225 LXPII-250 LXPII-320 LXPII-400 LXPII-500	LXPII-250	LXPII-320 I	XPII-400 L	XPII-500
Power Rating (kVA/kW)	10/8	15/12	20/16	25/20	30/24	40/32	45/36	50/40	62.5/50	15/60	82.5/66	100/80	125/100		180/144	160/128 180/144 200/160	225/180	250/200 320/256 400/320	320/256		500/400
No. of Phases	1/3	1/3	1/3	1/3	3	3	က	က	က	က	က	က	က	က	က	က	က	က	က	က	3
Power Factor	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Current@ 0.8 PF (Amps) 43.4/13.9 65.2/20.8 86.9/27.8 108.6/34.7 130/41.7 55.6	43.4/13.9	65.2/20.8	86.9/27.8	108.6/34.7	130/41.7	929	62.6	9.69	87	104.3	114.3	139.1	173.9	222.6	250.4	278.2	312.7	347.8	445.2	556.5	695.6
Battery Rating	12V 88 AH	12V 88 AH	12V 88 AH	12V 88 AH	12V 88 AH	12V 88 AH	12V 88 AH	12V 88 AH	12V 88 AH	12V, 1x120AH	12V, 1x120AH	12V. 1x120AH	12V 88 AH 12V, 1x120AH 12V, 1x120AH 12V, 1x120AH 24V, 2x150AH 24V, 2x150AH 24V, 2x180AH 24V, 2x180AH	24V, 2x150AH 2	24V, 2x180AH 2	1V. 2x180AH 24	IV. 2x180AH				

Greaves

Escorts Greaves

Escorts

Escorts

Escorts

Escorts

Make Model

G-25-II Water

G-20-III Water Natural

G-15-II

G-12-II

Water

Natural

Natural

Aspiration

Cooling

990

990

990

425

425

360

360

360

250

250

250

150

150

150

120

120

100

100

100

100

100

Integral Fuel Tank Capacity (Ltrs.)

D3V8TAG21 12V14TAG23 12V14TAG23

D3V6TAG21

D3V6TAG21

6G11TAG29

6G11TAG29

6G11TAG29

4G11TAG26

4G11TAG25

3G11TAG26

3G11TAG26

3G11TAG25

G-30-II 3G11TAG25 3G11TAG25 3G11TAG25

115X135

115X135

128X130

128X130

128X130

108X133

108X133

108X133

108X133

105X130

08X133

108X133

108X133

108X133

91X110 108X133 108X133

91X110

91X110

95X110

95X110

17.5

17.5

Compression Ratio Bore x Stroke mm

16.8

16.8 1500

80.1

80.1

80.1

29

42

42

25.2

21.6

21.6

Power (HP) Power (kw) Governing

604

604

386

313

313

243.1

243.1 178.8

243.1

155

126.6

5

93.4

74.5

74.5 101

59

29

29

43.4

31.2

31.2

18.5

15.9

284

227

227

178.8

178.8

1500

1500

12

12

œ

9

9

9

9

9

4

1500 16.8

1500 16.8

1500 16.8

1500

1500

1500 16.8

1500 16.8

1500

1500 17.5

1500 17.5

1500

1500

1500 17.5

RPM

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7

No. of Cylinders

16.8

16.8

& aftercooled

Turbocharger

Turbocharged & aftercooled

Turbocharged & aftercooled

Rathrocharged & aftercooled

& aftercooled

aftercooled

urbocharged

Turbocharged & aftercooled

urbocharge & aftercooled Water

Turbocharged & aftercooled

Turbocharged & aftercooled

Turbocharged & aftercooled

& aftercooled

& aftercooled

aftercooled & aftercooled

& aftercooled

Turbocharge

urbochargedTurbocharger

Turbocharge

Turbocharged

urbocharged & aftercooled

Water

Water urbocharge

Water

Water

17

17

16.8 1500

14.6 1500

14.6

16.8 1500

16.8 1500

1500

Electronic/A1 Electronic/A1 Electronic/A1 Electronic/A'

Electronic/A1

Mech./A1

Mech./A1

Mech./A1

Mech./A1

Mech./A1

Mech./A1

Mech./A1

Mech./A1

Mech./A1

Mech./A1 Mech./A1 Mech./A1

Mech./A1

Mech./A1 Mech./A1 Mech./A1

12V ESE12V ESE12V ESE 12V ESE

24V ESE 24V ESE 24V ESE

24V ESE

24V ESE

12V ESE12V ESE 12V ESE 12V ESE

Maxtherm

Maxtherm Maxtherm

Maxtherm

Maxtherm Maxtherm Maxtherm

API CF4 API CF4 API CF4

API CF4

API CF4 API CF4

API CF4

API CF4

API CF4

API CF4

API CF4

Greaves

Greaves API CF4

Greaves

Lube Oil Specification

Starting System

API CF4

API CF4

API CF4

Greaves

Greaves

Greaves

Greaves

Greaves API CF4

Greaves

Greaves

API CF4

API CF4

API CF4

API CF4

API CF4

20

20

8

24

24

1

1

1

9

9

8.5

8.5

8.5

8.5

8.5

8.5

6.5

6.5

6.5

2

2

Lube Oil Sump capacity (Lfrs.)

300 x 3 150 NB

300 x 3

240 x 2 125 NB

185 x 2

185 x 2 125 NB

185 x 2 125 NB

300 x 1

240 x 1 125 NB

185 x 1 125 NB

95 x 2

70 x 2

95 x 1

70 x 1

25 x 1 **75 NB**

25 x 1

25 x 1

35x2*/25x1 75 NB

16x2*/2.5x4*16x2*/2.5x4*35x2*/6x4* 35x2*/25x1

Al. Armoured cable (3.5 Cert, Sq. mm) 'are with 1 core x no of ren for copper cable

100 NB

75 NB

75 NB

75 NB

IP - 23

75 NB

75 NB

60 NB

60 NB

60 NB

Exh. Pipe Size (mm)

125 NB

125 NB

150 NB

Class - H

Class - H Class - H Class - H

Class - H Class - H Class - H

±1%

±1%

±1%

±1%

±1%

±1%

±1%

±1%

±1%

±1%

±1%

±1%

+1%

±1%

±1%

±1%

±1%

±1%

±1%

±1%

+1%

Voltage Regulation (max.)

415

415

415

415

415

415

415

415

415

415

415

415

415

415

415

230/415 230/415

230/415 230/415 230/415 230/415

Voltage

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

IP - 23

Enclosure

4500x1800x2200 5400x2000x2500 5800x2000x2500 5800x2000x2500

4500x1800x2200

4000x1550x1865 4000x1550x1865 4

3000x1350x1750 4000x1550x1865

3000x1350x1750

2500x1150x1500

2500x1150x1500

2500x1150x1500

2500x1150x1500

2500x1150x1500

2400x1030x1450 2500x1150x1500

2400x1030x1450

2300x930x1380

2100x930x1300

Length x Width x Height (mm) (500x930x1150

3200 6700

4050

3400

3400

3025

2300

1860

1860

1670

1670

1670

1495

1000 1495

1000

850

750

009

Weight (Kg) (approx)

*Due to the policy of continuous improvement, the specification may change without prior notice.

X POWER	CHOINDING CHICKOTT

SPOWER	SETS SERVICES

POWER	ETS SERVICES 9001:2008 certified company





Engine Features and Benefits

- Basic engine noise level very low. Contributes to bettering the statutory MoEfsti pulated 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.
- Modulardesign. High degree of commonality of hardware and components overentire 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°Cto 50°C.
- Wet linerconstruction eliminates time consuming and expensive block re-boring during overhauls.
- Gear-driven waterpump (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 contoller 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



KEY FEATURES

275W 10 years

Highest power output Material & workmanship warranty

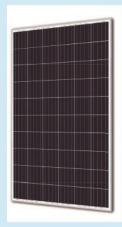
PID Free

25 years

Certified by TUV Rheinland 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



KEY FEATURES

330W 10 years

Highest power output Material & workmanship warranty

PID Free 25 years

Certified by TUV Rheinland 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% 10 years

Lighter Material & workmanship warranty

PID Free 25 years

Certified by TUV Rheinland 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

- a) 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.
- b) 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.

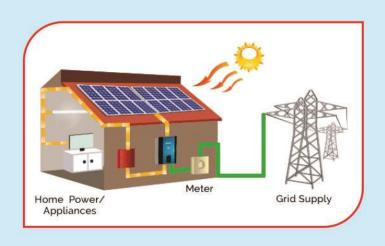


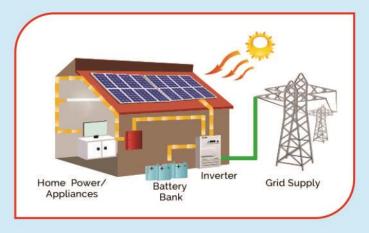


3 Types of Solar Solutions for... Homes, Petrol Pumps, Hospital & Offices

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

























(AN ISO 9001:2008 CERTIFIED COMPANY)

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