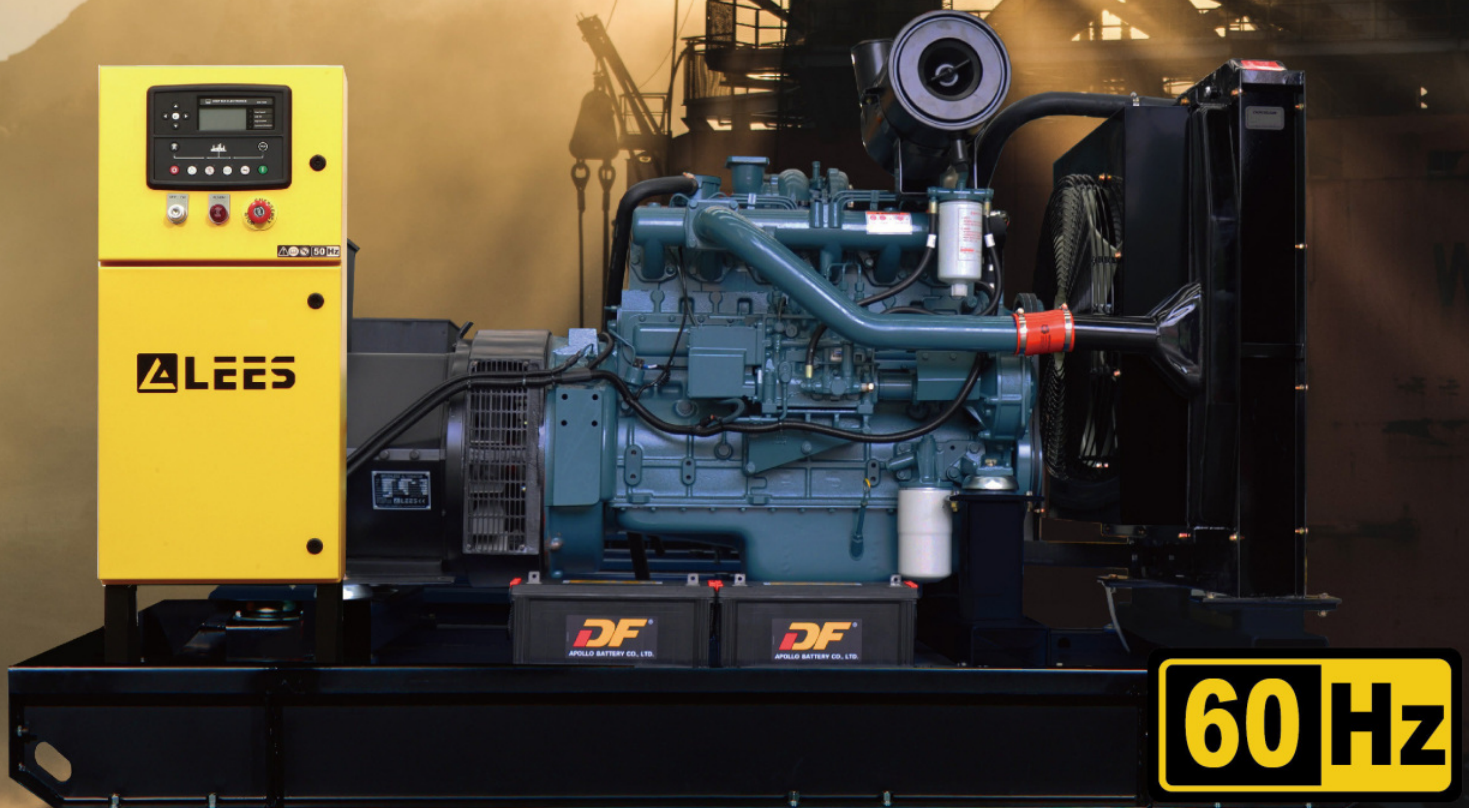




LEES DOOSAN SERIES GENERATORS

*Comprehensive
Power Solutions*



60 Hz

About

LEES Doosan generators have a wide power range from 310~935kVA.

The generators are widely used in industrial, commercial, backup, primary power source and outdoors project work and so on.

WHY DO YOU CHOOSE LEES DOOSAN SERIES GENERATOR?

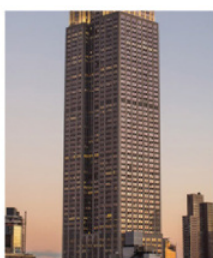
- **Performance:** Best engines ensure the best performance and the strongest power, which make sure gensets work smoothly.
- **Customer service:** Reliable Doosan global after sale service, which make sure customers have a worry free experience.
- **Optimization:** LEES make some improvements for the Doosan engines, which make the engines more suitable for generators.
- **Silence:** LEES take use of two-step silencing with 5 cm thickness and high density mute cotton to low the noise. The generators could reach at 60 dbA/7m without loading and 62-65 dbA/7m with full loading.
- **Elegance:** LEES Doosan generators appearance is very fashionable and beautiful, with bright yellow color, which makes the gensets high recognition. Waterproof canopy use 2mm cold-rolled steel with powder coated painting to produce.
- **Intelligence:** LEES use world famous brand Deepsea controller to control and protect the genset. Push-to-start is very convenient.
- **Design and Details:** Considerate design is the aims and objectives. To make customers satisfied and optimize customers' experience, LEES focus on every detail and review every improvement at regular intervals. We will review the generator at least 3 times before the product get in market. At present, LEES have make the changes and improvements on anti-collision rubber, stainless screws, doors, baseframe, wiring ways, oil drain valve and so on.



OUR APPLICATIONS



Mining



Building



Factory



Power plant



Outdoor working



Energy



Data center

60Hz | Three Phase

Model	LSDS350S3-6	LSDS385S3-6	LSDS440S3-6	LSDS510S3-6	LSDS575S3-6
Prime Power (kVA)	310	344	402	444	521
Standby Power (kVA)	350	385	440	510	575
Prime Power (kW)	248	275.2	321.6	355.2	416.8
Standby Power (kW)	280	308	352	408	460
Rated Frequency (Hz)	60	60	60	60	60
Rated Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Rated Current (A)	-	-	-	-	-
Rated Speed (r/min)	1800	1800	1800	1800	1800
Engine Brand	DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
Engine Model	P126TI	P126TI-II	DP126LB	P158LE	DP158LC
Cylinder No.& Configuration	6 cylinder Diesel L type			8 cylinder Diesel.VEE type	
Working Mode	Turbocharged and air-cooled charge air				
Bore x Stroke (mm)	123*155	123*155	123*155	128*142	128*142
Displacement (L)	11.051	11.051	11.051	14.618	14.618
Compression Ratio	17.1: 1	17.1: 1	17.2: 1	15: 1	15: 1
Rated Power (kW)	278	307	366	402	466
Rated Speed	1800	1800	1800	1800	1800
Lubrication System	Splash Lubrication				
Lube Oil	CH15W-40				
Lube Oil Capacity (L)	23	23	44	21	22
Battery Capacity	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2
Fuel Type	0#	0#	0#	0#	0#
Fuel Consumption 25% load (L/H)	20	21	24	28	32
Fuel Consumption 50% load (L/H)	36	37	43	51	58
Fuel Consumption 75% load (L/H)	52	56	64	75	83
Fuel Consumption 100% load (L/H)	70	74	86	103	112
Phase	3	3	3	3	3
Poles	4	4	4	4	4
Loop Mode	Three phase four wire				
Excitation System	Brushless self-excited constant voltage (AVR)				
Power Factor (cosΦ)	0.8	0.8	0.8	0.8	0.8
Winding Pitch	2/3	2/3	2/3	2/3	2/3
Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection
Terminals	12	12	12	12	12
Bearing	single bearing	single bearing	single bearing	single bearing	single bearing
IP Rating	IP23	IP23	IP23	IP23	IP23
Insulation Rating	H	H	H	H	H
Output Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Noise Level (7m)dB(A)	77	77	79	81	83
Continuous Running Time (h)	8	8	8	8	8
Silent Type: Overall Dimension (mm)(LxWxH)	4260x1462x2100	4260x1462x2100	4260x1612x2300	4260x1612x2300	4260x1612x2300
Silent Type: Net Weight (kg)	3645	3500	3870	3815	4250
Silent Type: Fuel Tank Capacity (L)	765	765	765	765	765
Open Type: Overall Dimension (mm)(LxWxH)	3250x1300x1700	3250x1300x1700	3250x1600x2000	3250x1600x2000	3350x1600x2000
Open Type: Net Weight (kg)	2480	2410	2850	2795	3230
Open Type: Fuel Tank Capacity (L)	540	540	700	720	720

Doosan
60 Hz



60Hz | Three Phase

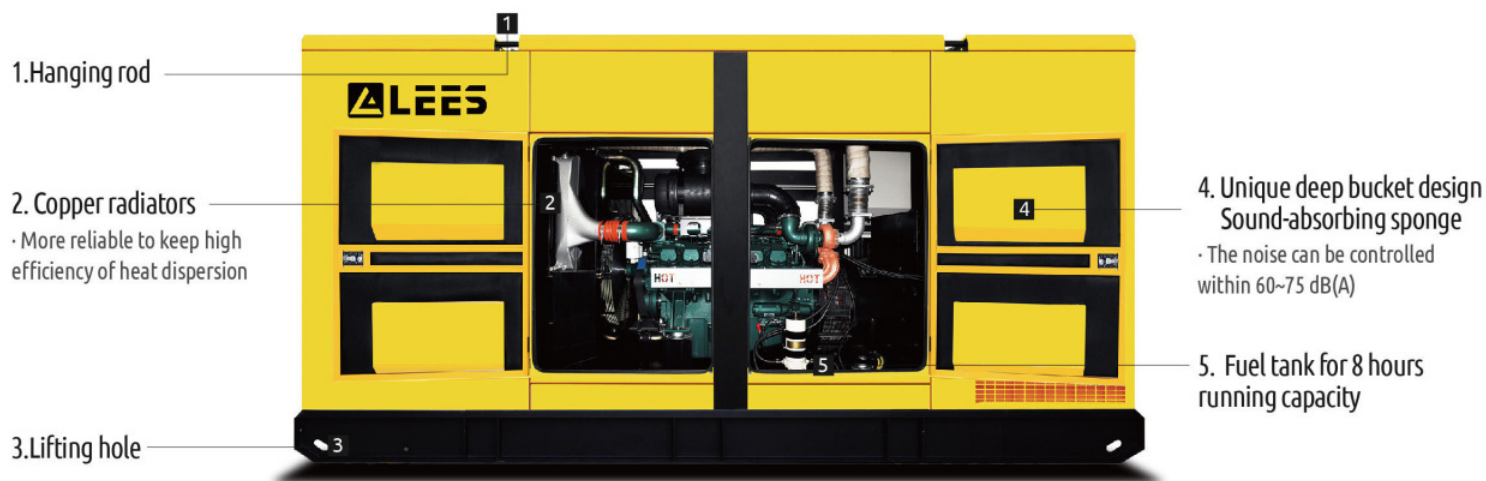
Model	LSDS650S3-6	LSDS700S3-6	LSDS750S3-6	LSDS825S3-6	LSDS880S3-6	LSDS935S3-6
Prime Power (kVA)	590	630	679	750	800	850
Standby Power (kVA)	650	700	750	825	880	935
Prime Power (kW)	472	504	543.2	600	640	680
Standby Power (kW)	520	560	600	660	704	748
Rated Frequency (Hz)	60	60	60	60	60	60
Rated Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Rated Current (A)	-	-	-	-	-	-
Rated Speed (r/min)	1800	1800	1800	1800	1800	1800
Engine Brand	DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
Engine Model	DP158LD	DP180LA	DP180LB	DP222LA	DP222LB	DP222LC
Cylinder No.& Configuration	8 cylinder Diesel.VEE type	10 cylinder Diesel.VEE type		12 cylinder Diesel.VEE type		
Working Mode	Turbocharged and air-cooled charge air					
Bore x Stroke (mm)	128*142	128*142	128*142	128*142	128*142	128*142
Displacement (L)	14.618	18.273	18.273	21.927	21.927	21.927
Compression Ratio	15: 1	15: 1	15: 1	15: 1	15: 1	15: 1
Rated Power (kW)	505	559	601	670	711	753
Rated Speed	1800	1800	1800	1800	1800	1800
Lubrication System	Splash Lubrication					
Lube Oil	CH15W-40					
Lube Oil Capacity (L)	22	34	34	40	40	40
Battery Capacity	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2
Fuel Type	0#	0#	0#	0#	0#	0#
Fuel Consumption 25% load (L/H)	35	39	41	45	47	49
Fuel Consumption 50% load (L/H)	62	73	78	83	87	91
Fuel Consumption 75% load (L/H)	93	107	114	120	128	134
Fuel Consumption 100% load (L/H)	127	141	151	162	173	183
Phase	3	3	3	3	3	3
Poles	4	4	4	4	4	4
Loop Mode	Three phase four wire					
Excitation System	Brushless self-excited constant voltage (AVR)					
Power Factor (cosΦ)	0.8	0.8	0.8	0.8	0.8	0.8
Winding Pitch	2/3	2/3	2/3	2/3	2/3	2/3
Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection	Y connection
Terminals	12	12	12	12	12	12
Bearing	single bearing	single bearing	single bearing	single bearing	single bearing	single bearing
IP Rating	IP23	IP23	IP23	IP23	IP23	IP23
Insulation Rating	H	H	H	H	H	H
Output Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Noise Level (7m)dB(A)	82	84	85	87	85	86
Continuous Running Time (h)	8	8	8	8	8	8
Silent Type: Overall Dimension (mm)(LxWxH)	4260x1612x2300	4700x1630x2430	4700x1630x2430	5060x1912x2530	5060x1912x2530	5060x1912x2530
Silent Type: Net Weight (kg)	4315	5060	5060	5470	5625	5920
Silent Type: Fuel Tank Capacity (L)	765	1331	1331	1000	1000	1000
Open Type: Overall Dimension (mm)(LxWxH)	3350x1600x2000	3500x1600x2050	3500x1600x2050	3650x1600x2250	3650x1600x2250	3960x1600x2250
Open Type: Net Weight (kg)	3300	3500	3500	3800	3955	4250
Open Type: Fuel Tank Capacity (L)	720	760	760	890	890	890



**LEES
PROJECTS**
Powered by Doosan



Product Features



⚡ Features of Doosan engine

• Accessory drive

Single Poly Vee belt drive for fan, alternator and water pump, with self-tensioning idle for minimum maintenance.

• Complete rebuild ability

Cylinder block has multiple rebore capability.
Service cylinder sleeves and valve guides are also available.

• Low fuel consumption

Excellent fuel consumption with B.S.F.C 215g/kw.h .

• Cold start capability

Minimum ambient temperature for unaided cold start -12°C.
Minimum ambient temperature for aided (with coolant heater) cold start -35°C.

⚡ Features of alternator

- 12 wire reconnectable stator/terminal arrangement.
- Easy access for installation and maintenance.
- 2/3 pitch winding as standard, to avoid excessive neutral currents.
- Class H insulation with severe environmental protection as standard .
- Built to conform with all leading industrial and marine standards.
- 460 AVR as standard with 1.5% regulation and 2 phase sensing.
- IP23 as standard.

⚡ Features of DSE controller

- The DSE7320 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications.
- Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS test alerts (with external modem).
- The DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSENet terminals for system expansion.

www.leespowers.com

Tel: 0086-510-85168446

Email: lees@leespowers.com

Facebook: [@leesgenerator](https://www.facebook.com/leesgenerator)

Add: 312 National Highway, Luoshe, Huishan District, Wuxi, China, 214000

LEES®
Comprehensive Power Solutions