

ULTIMATE POWER SOLUTION

YOUR WAY FOR POWER

























COMPANY PROFILE:

Ultimate Power Solution provides a wide range of high quality products and services geared to our customers' specific needs and requirements.

Ultimate Power Solution is one of the leaders in supply, logistics and service providers for UAE, GCC countries, the foreign assistance missions, ISAF, NATO, UN OFFICES, NGO's and EMBASSIES.

Our success is owed to our hardworking, highly skilled and committed employees. Our team is led by a professional and dedicated management group. We specialize in product sales, rental, services & aftermarket service.

When power needs are more challenging than normal specifications, Ultimate Power Solution is dedicated to providing solutions that meet complex power requirements. All solutions and products are designed to meet the unique needs of each customer on a project - to - project basis.

ULTIMATE POWER SOLUTION NETWORK:

- Ultimate Power Solution Ltd British Virgin Island
- Ultimate Power Solution FZC Sharjah, United Arab Emirates
- Ultimate Power Solution LLC Moscow, Russia
- UPS Power Solution (Shanghai) LLC Shanghai, China

OUR PRODUCTS:

- Gasoline portable gen-sets 2.2 10
- Ø Diesel gen sets 8 2,500 KVA
- Tower lights
- Solar and Wind Generator
- Gas turbine Gas gen-sets (including CHP-units)
- Marine auxiliary gen-sets, Onan Marine gen-set
- Mobile gen-set
- Heavy Fuel Power Stations
- Wind Turbine
- Hydro generators
- Migh quality products are ensured for all customers by means of:
 - Skilled and experienced workforce
 - High quality components



















The following Internationally proven engines and alternators are used in the production:













MOBILE LIGHTING TOWER

- Mand winch
- Automatic mast lock
- 4 x 1000 watts Metal Halide Lamps



- SOUND PROOF CANOPIES All our enclosures have the following quality features:
- Totally enclosed exhaust silencing system
- Robust and highly corrosion resistant construction
- Fully weatherproof
- ② Excellent access for maintenance
- Automatic Transfer Switch Panels (or ATS)
- Synchronizing Panels

AFTER MARKET SERVICES:

- International warranty of 12 months is given for all parts leaving our assembly line.
- ② Checklists, maintenance books, spare parts lisiting and manuals will accompany each unit sold to a customer & properly tested by Ultimate Power Solution's Quality Control team.
- ② Shipping with lower cost: one of the critical properties of our products is its controlled weight that allows shipping with lower costs.





















50Hz / 1500 RPM

Perkins 50 Hz

					30112 / 1300 KFIN								
Gen-set	PERKINS	No. of	Alternator	Prime		Star	idby	Max Fuel Cons. (L/Hr)		Dimensi		Weight (Kg)	
Model Engine Model		Cylinder	Model	KVA	KW	KVA	KW		Standby	(LxV Closed Type	Open Type	Closed	Open
UPSP10	403A-11G1	3	TALO40 B	9.0	7.2	9.9	7.9	3.0	3.6	1800*1300*895	1320*1152*530	400.00	360.00
UPSP15	403A-15G1	3	TALO40 D	13.0	10.0	15.0	11.4	3.7	4.1	1800*1300*895	1320*1152*530	500.00	450.00
UPSP20	404D-22G	4	TAL040 F	20.3	16.2	22.1	17.7	5.3	6.1	1800*1300*895	1353*1095*530	600.00	540.00
UPSP20	404A-22G1	4	TAL040 F	20.3	16.2	22.3	17.8	5.3	6.1	1800*1300*895	1353*1095*650	600.00	540.00
UPSP30	1103A-33G	3	TAL042 C	30.0	24.0	33.0	26.4	7.2	8.1	2100*1500*950	1620*1253*770	850.00	765.00
UPSP45	1103A-33TG1	3	TAL042 F	45.0	36.0	49.6	39.7	10.8	11.7	2100*1500*950	1620*1257*770	950.00	855.00
UPSP60	1103A-33TG2	3	TAL042 H	68.1	54.5	75.1	60.1	16.6	18.2	2100*1500*950	1702*1197*801	1050.00	945.00
UPSP80	1104A-44TG2	4	TAL044 B	80.0	64.0	88.0	70.4	18.7	20.5	2500*1350*975	2050*1300*800	1100.00	990.00
UPSP100	1104C-44TAG2	4	TALO44 D	101.4	81.4	111.9	89.6	22.6	24.9	2500*1350*975	1800*1310*750	1250.00	1125.00
UPSP135	1106A-70TG1	6	TAL044 H	135.0	108.0	150.0	120.0	30.2	33.8	2750*1770*975	2400*1359*806	1500.00	1350.00
UPSP150	1106A-70TAG2	6	TAL044 J	150.0	120.0	165.0	132.0	33.4	36.1	2750*1770*975	2400*1359*806	1600.00	1440.00
UPSP180	1106A-70TAG3	6	TAL046 A TAL044 L	180.0	144.0	200.0	160.0	41.6	44.6	3320*1450*1100	2350*1489*900	2015.00	1813.50
UPSP200	1506A-E88TAG1	6	TAL046 B TAL044 M	200.0	160.0	220.0	176.0	45.2	49.1	3320*1450*1100	2350*1489*900	2500.00	2250.00
UPSP200	1106A-70TAG4	6	TAL046 B TAL044 M	200.0	160.0	220.0	176.0	45.8	49.4	3320*1450*1100	2350*1489*900	2400.00	2160.00
UPSP230	1506A-E88TAG2	6	TAL046 C	230.0	184.0	250.0	200.0	45.0	49.0	3600*2010*1100	2750*1550*745	2550.00	2295.00
UPSP250	1506A-E88TAG3	6	TAL046 D	250.0	200.0	275.0	220.0	56.0	61.0	3600*2010*1100	2750*1550*745	2750.00	2475.00
UPSP250	1206A-E70TTAG3	6	TAL046 D	250.0	200.0	275.0	220.0	64.5		3600*2010*1100	2550*1608*745	2750.00	2475.0
UPSP300	1506A-E88TAG5	6	TAL046 F	300.0	240.0	330.0	264.0	65.0	73.0	3770*1600*1300	2550*1608*745	3030.00	2727.0
UPSP350	2206A-E13TAG2	6	TAL046 H	350.0	280.0	400.0	320.0	71.0	77.0	3860*2000*1380	3170*1988*1040	3316.00	2984.4
UPSP400	2206A-E13TAG3	6	TALO47 A	400.0	320.0	450.0	360.0	81.0	89.0	3860*2000*1380	3600*1990*1150	3453.00	3107.70
UPSP450	2506A-E15TAG1	6	TALO47 B	455.0	364.0	500.0	400.0	95.0	104.0	4440*2480*1380	3600*1990*1150	3793.00	3413.70
UPSP500	2506A-E15TAG2	6	TAL047 C	500.0	400.0	550.0	440.0	100.0	111.0	4440*2480*1380	3390*1990*1150	3920.00	3528.00
UPSP600	2806A-E18TAG1A	6	TALO47 E	600.0	480.0	660.0	528.0	123.0	134.0	4640*2420*1680	3400*1957*1536	4655.00	4189.50
UPSP650	2806A-E18TAG2	6	TAL047 F	650.0	520.0	700.0	560.0	132.0	143.0	4640*2420*1680	3400*1957*1536	4800.00	4320.00
UPSP750	4006-23TAG2A	6	TAL049 B	750.0	600.0	825.0	660.0	157.0	173.0	5800*2100*2240	3400*1958*1536	6059.00	5453.10
JPSP1000	4008TAG2A	8	TAL049 E	1022.0	818.0	1125.0	900.0	215.0	240.0	6000*2200*2440	4689*2391*2391	7334.00	6600.60
JPSP1250	4012-46TWG2A	12	LSA50.2 M6	1250.0	1000.0	1385.0	1108.0	259.0	288.0	6000*2610*2440	4689*2391*2070	9059.00	8153.1
JPSP1500	4012-46TAG2A	12	LSA50.2 L8	1505.0	1204.0	1656.0	1325.0	310.0	341.0	6000*2610*2440	4600*2525*1998	9720.00	8748.00
JPSP2000	4016-61TAG2A	16	LSA52.3 S6	2000.0	1600.0	2250.0	1800.0	405.0	463.0	12192*2591*2438	to be u	pdated	



















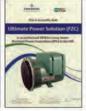
Perkins 60 Hz

					60Hz / 1800 RPM											
Gen-set	PERKINS	No. of	Alternator	Prime	Prime Power		Standby Power		uel Cons. /Hr)	Dimensi (L x H	Weight (Kg)					
Model	Engine Model	Cylinder	Model	KVA	KW	KVA	KW	Prime	Standby	Closed Type	Open Type	Closed	Open			
UPSP18	403A-15G2	3	TAL040 D	18	14.4	19.8	15.8	3.7	4.1	1700*900*1357	1353*1095*650	500.00	450.00			
UPSP24	404D-22G	4	TAL040 F	24.0	19.2	26.4	21.1	5.3	6.1	1700*900*1357	1353*1095*650	600.00	540.00			
UPSP35	1103A-33G	4	TAL042 C	35.0	28.0	38.5	30.8	5.3	6.1	1700*900*1357	1620*1253*770	600.00	540.00			
UPSP53	1103A-33TG1	3	TAL042 F	53.0	42.4	58.3	46.6	7.2	8.1	2100*950*1180	1620*1257*770	850.00	765.00			
UPSP68	1103A-33TG2	3	TAL042 H	68.0	54.4	74.8	59.8	10.8	11.7	2100*950*1180	1702*1197*801	950.00	855.00			
UPSP91	1104A-44TG2	3	TAL044 B	91.0	72.8	100.1	80.1	16.6	18.2	2100*950*1180	2050*1300*800	1050.00	945.00			
UPSP114	1104C-44TAG2	4	TAL044 D	114.0	91.2	125.4	100.3	18.7	20.5	2800*1100*1637	1800*1310*750	1100.00	990.00			
UPSP152	1106A-70TG1	4	TAL044 H	152.0	121.6	167.2	133.8	22.6	24.9	2800*1100*1637	2400*1359*806	1250.00	1125.00			
UPSP169	1106-70TAG2	6	TAL044 J	169.0	135.2	185.9	148.7	30.2	33.8	2800*1100*1637	2440*1359*806	1500.00	1350.00			
UPSP250	1506A-E88TAG1	6	TAL046 B TAL044 M	250.0	200.0	275.0	220.0	33.4	36.1	2800*1100*1637	2350*1489*900	1600.00	1440.00			
UPSP250	1206A-E70TTAG3	6	TAL046 D	250.0	200.0	275.0	220.0	33.4	36.1	2800*1100*1637	2650*1450*982	1600.00	1440.00			
UPSP350	1506A-E88TAG5	6	TAL046 F	350.0	280.0	385.0	308.0	45.8	49.4	3470*1300*1600	3300*2048*1120	2400.00	2160.00			
UPSP400	2206A-E13TAG2	6	TAL046 H	400.0	320.0	440.0	352.0	45.0	49.0	3470*1300*1600	3170*1988*1040	2550.00	2295.00			
UPSP500	2506A-E15TAG1	6	TAL047 B	500.0	400.0	550.0	440.0	56.0	61.0	3470*1300*1600	3600*1990*1150	2750.00	2475.00			
UPSP625	2806A-E18TAG1A	6	TAL047 E	625.0	500.0	687.5	550.0	71.0	77.0	3860*1380*1800	3400*1957*1536	3316.00	2984.40			
UPSP750	4006-23TAG2A	6	TAL049 B	750.0	600.0	825.0	660.0	81.0	89.0	4440*1380*2400	3400*1958*1536	3453.00	3107.70			
UPSP995	4008TAG2	6	TAL049 E	995.0	796.0	1094.5	875.6	95.0	104.0	4440*1380*2400	4689*2391*2391	3793.00	3413.70			
UPSP1250	4012-46TWG2A	12	LSA50.2 M6	1250.0	1000.0	1375.0	1100.0	266.0	217.0	6000*2610*2440	4689*2391*2070	9059.00	8153.10			
UPSP1500	4012-46TAG2A	12	LSA50.2 L8	1510.0	1208.0	1669.0	1329.0	319.0	251.0	6000*2610*2440	4600*25	25*1998				

















Cummins 50 Hz

Gen-set Model				50Hz / 1500 RPM									
	Cummins Engine	No. of Cylinder	Alternator Model	Pri	Prime		ndby	Max Fuel Cons.	Dimension (LxWxH) (mm)	Weight (Kg)			
Iviouei	Model	Cymnaei	Winder	KVA	KW	KVA	KW	(L/Hr)	Closed Type	Closed	Open		
UPSC35	4BT3.9-G2	4	LSA/TAL042 D	35.0	28.0	38.5	30.8	6.7	1700*900*1357	400	360		
UPSC40	4BT3.9-G2	4	LSA/TAL042 E	40.0	32.0	44.0	35.2	8.0	1700*900*1357	500	450		
UPSC60	4BTA3.9-G2	4	LSA/TAL042 H	60.0	48.0	66.0	52.8	11.0	1700*900*1357	600	540		
UPSC100	6BT5.9-G1	6	LSA/TAL044 D	100.0	80.0	110.0	88.0	16.0	1700*900*1357	600	540		
UPSC114	6BT5.9-G1	6	LSA/TAL044 D	114.0	91.2	125.4	100.3	22.0	2100*950*1180	850	765		
UPSC130	6BTAA5.9-G2	6	LSA/TAL044 H	130.0	104.0	143.0	114.4	26.0	2100*950*1180	950	855		
UPSC160	6CTA8.3-G2	6	LSA/TAL044 J	160.0	128.0	176.0	140.8	33.0	2100*950*1180	1050	945		
UPSC200	6CTAA8.3-G1	6	LSA/TAL046 B	200.0	160.0	220.0	176.0	43.0	2800*1100*1637	1100	990		
UPSC250	6CTAA8.3-G2	6	LSA/TAL046 D	250.0	200.0	275.0	220.0	44.0	2800*1100*1637	1250	1125		
UPSC300	NTA855-G1	6	LSA/TAL046 F	300.0	240.0	330.0	264.0	61.0	2800*1100*1637	1500	1350		
UPSC350	NTA855-G1A	6	LSA/TAL046 H	350.0	280.0	385.0	308.0	72.0	2800*1100*1637	1600	1440		
UPSC410	KTA19-G2	6	LSA/TAL047 A	410.0	328.0	451.0	360.8	108.0	2800*1100*1637	2015	1813.5		
UPSC450	KTA19-G3	6	LSA/TAL047 B	450.0	360.0	495.0	396.0	97.0	3470*1300*1600	2500	2250		
UPSC500	KTA19-G4	6	LSA/TAL047 C	500.0	400.0	550.0	440.0	100.0	3470*1300*1600	2400	2160		
UPSC568	KTAA19-G7	6	LSA/TAL047 D	568.0	454.4	624.8	499.8	113.0	3470*1300*1600	2550	2295		
UPSC750	KTA38-G2	12	LSA 49.1 M6	750.0	600.0	825.0	660.0	157.0	3470*1300*1600	2750	2475		
UPSC909	KTA38-G2A	12	LSA 49.1 L10	909.0	727.2	999.9	799.9	191.0	3860*1380*1800	3030	2727		
UPSC1000	KTA38-G5	12	LSA/TAL049 E	1000.0	800.0	1100.0	880.0	190.0	3860*1380*1800	3316	2984.4		
UPSC1125	KTA50-G3	12	LSA 50.2 M6	1125.0	900.0	1237.5	990.0	252.0	4440*1380*2400	3453	3107.7		



















Cummins 60 Hz

				50Hz / 1500 RPM									
Gen-set	Cummins Engine	No. of	Alternator	Pri	me	Standby		Max Fuel Cons.	Dimension (LxWxH) (mm)	Weight (Kg)			
Model	Model	Cylinder	Model	KVA	KW	KVA	KW	(L/Hr)	Closed Type	Closed	Open		
UPSC35	4BT3.9-G2	4	LSA/TAL042 D	35.0	28.0	38.5	30.8	6.7	1700*900*1357	400	360		
UPSC40	4BT3.9-G2	4	LSA/TAL042 E	40.0	32.0	44.0	35.2	8.0	1700*900*1357	500	450		
UPSC60	4BTA3.9-G2	4	LSA/TAL042 H	60.0	48.0	66.0	52.8	11.0	1700*900*1357	600	540		
UPSC100	6BT5.9-G1	6	LSA/TAL044 D	100.0	80.0	110.0	88.0	16.0	1700*900*1357	600	540		
UPSC114	6BT5.9-G1	6	LSA/TAL044 D	114.0	91.2	125.4	100.3	22.0	2100*950*1180	850	765		
UPSC130	6BTAA5.9-G2	6	LSA/TAL044 H	130.0	104.0	143.0	114.4	26.0	2100*950*1180	950	855		
UPSC160	6CTA8.3-G2	6	LSA/TAL044 J	160.0	128.0	176.0	140.8	33.0	2100*950*1180	1050	945		
UPSC200	6CTAA8.3-G1	6	LSA/TAL046 B	200.0	160.0	220.0	176.0	43.0	2800*1100*1637	1100	990		
UPSC250	6CTAA8.3-G2	6	LSA/TAL046 D	250.0	200.0	275.0	220.0	44.0	2800*1100*1637	1250	1125		
UPSC300	NTA855-G1	6	LSA/TAL046 F	300.0	240.0	330.0	264.0	61.0	2800*1100*1637	1500	1350		
UPSC350	NTA855-G1A	6	LSA/TAL046 H	350.0	280.0	385.0	308.0	72.0	2800*1100*1637	1600	1440		
UPSC410	KTA19-G2	6	LSA/TAL047 A	410.0	328.0	451.0	360.8	108.0	2800*1100*1637	2015	1813.5		
UPSC450	KTA19-G3	6	LSA/TAL047 B	450.0	360.0	495.0	396.0	97.0	3470*1300*1600	2500	2250		
UPSC500	KTA19-G4	6	LSA/TAL047 C	500.0	400.0	550.0	440.0	100.0	3470*1300*1600	2400	2160		
UPSC568	KTAA19-G7	6	LSA/TAL047 D	568.0	454.4	624.8	499.8	113.0	3470*1300*1600	2550	2299		
UPSC750	KTA38-G2	12	LSA 49.1 M6	750.0	600.0	825.0	660.0	157.0	3470*1300*1600	2750	2475		
UPSC909	KTA38-G2A	12	LSA 49.1 L10	909.0	727.2	999.9	799.9	191.0	3860*1380*1800	3030	2727		
JPSC1000	KTA38-G5	12	LSA/TAL049 E	1000.0	800.0	1100.0	880.0	190.0	3860*1380*1800	3316	2984.4		
UPSC1125	KTA50-G3	12	LSA 50.2 M6	1125.0	900.0	1237.5	990.0	252.0	4440*1380*2400	3453	3107.7		

















Water-Cooled Generating Set

Standard Features:

- . Engine and alternator close coupled.
- · Anti-vibration mountings between engine/ alternator and base-plate.
- 12 Volt starter battery and leads.
- Control panel containing an output circuit breaker with thermal overload protection and an electronic control module with digital display.
- Emergency stop button (lock down type).
- · Operators Handbook.
- Electrical diagram.

Engine Specification:

- · Lister Petter Delta type water-cooled, diesel engine.
- · Medium duty air cleaner.
- · Lubricating oil and fuel filters.
- · Fuel lift pump.
- · Engine mounted exhaust silencer (open sets only).
- Residential exhaust silencer (acoustic sets
- · 12V electric starting system.
- · High engine temperature and low oil pressure shut down system.

Alternator Specification:

- Single bearing, 4 pole brushless alternator.
- Solid state AVR with ±1.5% voltage regulation as standard.
- · Class "H" insulation on the rotor and stator.



Optional Items:

- · Residential exhaust silencer on open sets (as fitted to acoustic sets).
- · Acoustic canopy kit (including residential silencer kit).
- · Basic tool kit.

Lister Petter Engine Types

DWS4 AT 1500 r/min or 1800 r/min



















Prime and Standby Power Ratings

Voltages: Other voltages are available; refer to Lister Petter.

Single-Phase versions available on request.

Rating Definitions to ISO 8528-1

Rating Conditions

A standard generating set is designed to operate in environmental reference conditions of 25°C, 100kPa and 30% humidity.

Prime Power

This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for 1 hour in 12 hours.

Standby Power

This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.



			GENSET	SPECIFICATI	ENGINE SPECIFICATION							
MODEL	KVA		KW		DIMENSION (LxWxH)	WEIGHT	ENGINE	CYL	CAPACITY	BORE	STOCKE	FUEL CONS
	STANDBY	CONTINUOUS	STANDBY	CONTINUOUS	DIMENSION (EXWXH)	(KG)	MODEL	Cit	(C/L)	(mm)	(mm)	(L/h)
L 10	11	10	8.8	8	1300x500x800	410	LPW 2	2	0.93	86	80	2
L 15	17	15	13.6	12	1300x500x800	450	LPW 3	3	1.39	86	80	3
L 20	22	20	17.6	16	1400x620x900	490	LPW 4	4	1.96	86	80	4
L 25	28	25	22.4	20	1400x620x900	520	LPW T4	4	1.96	86	80	5
L 30	33	30	26.4	24	1600x720x1000	590	DWS 4	4	3.33	86	80	7
L 130	112	102	90	81.6	2400x750x1300	960	LLO 125	6	9.72	116.6	135.9	25
L 140	150	136	120	108.8	2800x800x1450	1150	LLO 150	6	9.72	116.6	135.9	35
L 200	166	150	132	120	2800x800x1450	1250	LLO 200	6	9.72	116.6	135.9	42
L 230	229	208	183	166	2900x1000x1700	2000	LLO 230	6	9.72	116.6	135.9	48
L 250	250	228	200	182	2900x1000x1700	2100	LLO 250	6	9.72	116.6	135.9	52















UPS • WAUKESHA UPS GAS GENSET

UPS /WAUKESHA 140KW-3250KW Series Natural Gas

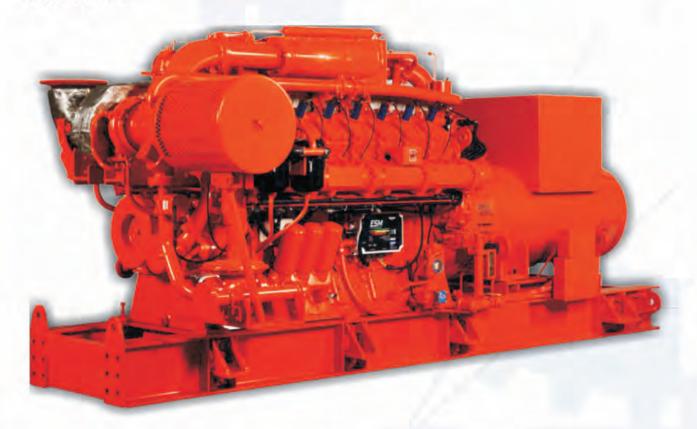
WAUKESHA make series completed natural gas engine series and it design almost car to power and compression requirements of different industrial lines.

WAUKESHA manufactures spark plug ignition gas engines and engine generator. These products are used universally in on- spot air compression, power generation and driving machine. WAUKESHA is the only CFR engine manufacturer authorized on ASTM and the pi in gas generator sets domain.

ATGL series the biggest engine for its volume and horsepower is engine's series are designed for duration, strength stableness and driven force. It is well known for its skillfulness and high efficiency.

VGF and VSG series gas engine – enjoying compact design and high speed. It supplies large power but do not occupy much space.

VHP series is the backbone of WAUKESH engine series and the most popular one in the engine family tree, Customer's favorableness enables us to improve on this series engine Reliability and efficiency are always keeping advanced.









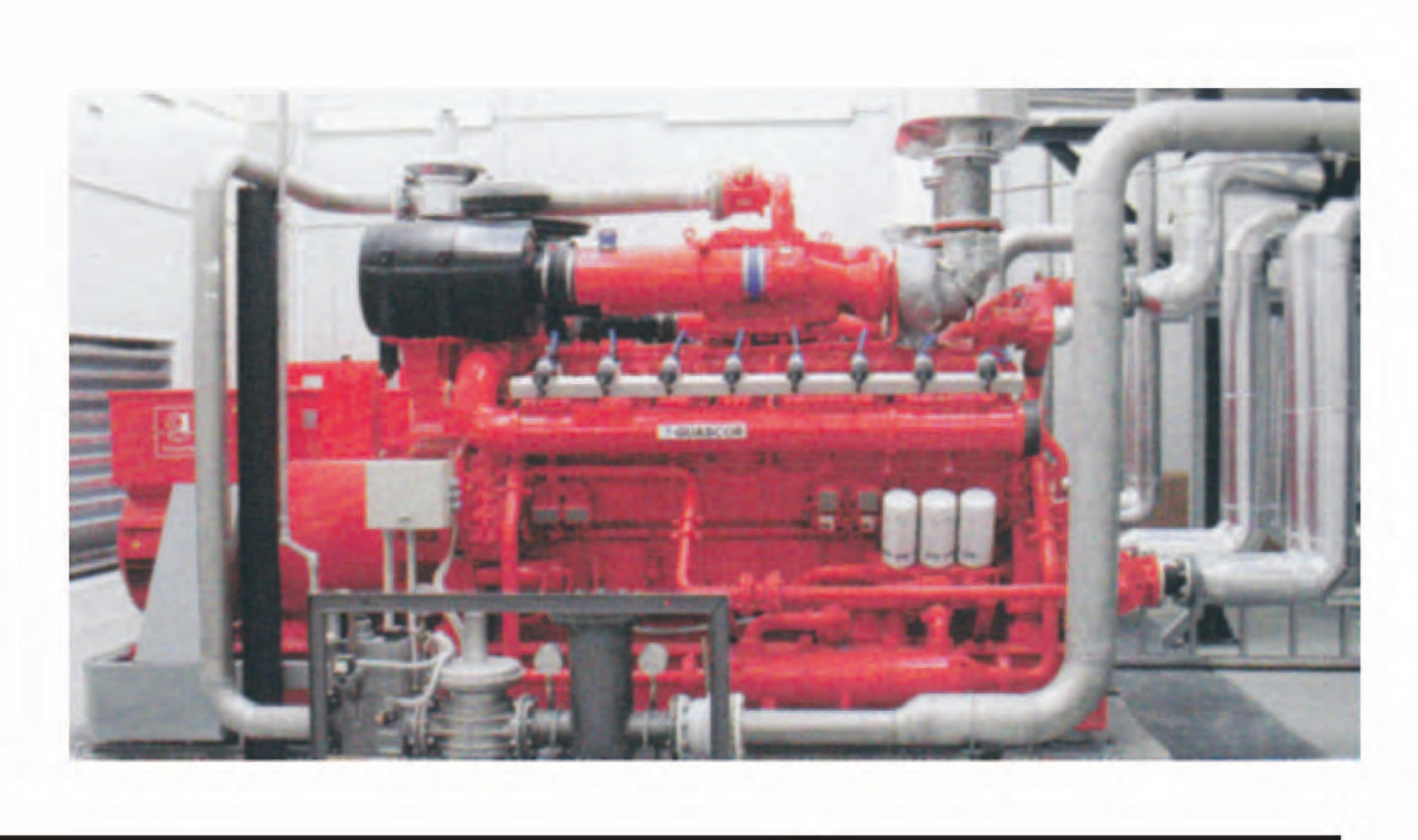












	WAUKESHA	Remote radiator co	oling(cwe) 50Hz	Only (kWe) 50Hz		
		Continuous	Standby	Continuous		
Engine Family	Model	1000rpm	1000rpm	1000rpm		
ATGL 10% overload not available	16V-AI27GL 12V-AI27GL BL-AI27GL	3250 ⁵ 2220 1480	3250 2440 1630	3356 ³ 2335 1560		
Engine Family	Model	1500rpm		1500rpm		
TM	APG1000	10007		1038		
APG	Model	1500rpm		1500rpm		
no overload allowed	APG2000 APG3000	2100 ⁷ 3200 ⁷		2200 ⁷ 3300 ⁷		
Engine Family	Model	1000rpm	1000rpm	1000rpm		
engine available with low fuel pressure system(Ifps) with the same rating refer to page 15 for Ifps amvient and atitude adjustments no overload allowed	VHP9500GSI VHP9500GI VHP7104GSI VHP7104GSID VHP7100GSI VHP7100GSI VHP7100GL VHP7100G VHP5904LT VHP5904LTD VHP5904GSI VHP5900G VHP5900G VHP3604GSID VHP3604GSID VHP3600G	1175 1100 ⁷ 1100 ^{1.7} 875 875 875 635 900 ⁷ 900 ^{1.7} 900 ^{1.7} 475 540 ⁷ 540 ^{1.7} 315	1450 1295 1100 1100 ¹ 1075 1075 ¹ 965 710 940 900 ¹ 900 900 ¹ 525 540 540 ¹ 350	1224 1224 1537 1153 ^{1,7} 919 919 ⁷ 919 668 947 ⁷ 947 ^{1,7} 947 ^{1,7} 550 573 ⁷ 573 ^{1,7} 340		
Engine Family	Model	1500rpm	1500rpm	1500rpm		
these power ratings require pricebook option code 1100 (176bmp) and dsm. they are available continuously when applide per WKI power and timing curve s7079 - 19. it is permissible to operate at up to 5% overload for two hours in each 24 hour period. rating is for high compression ratio pistons only.	VGFF48GL VGF48GLD VGF48GLD/2 VGF48GSI/GSD VGF36GL VGF36GLD/2 VGF36GSI/GSID VGF24GL VGF24GLD VGF24GLD VGF24GLD/2 VGF18GL VGF18GLD VGF18GLD/2 VGF18GSI/GSID	685 ³ 685 ³ 625 515 ^{3,9} 515 ³ 475 340 ^{3,9} 340 ³ — 310 250 ^{3,9} 250 ³ — 230	715 715 685 535° 535 515 355° 355 —————————————————————————————	730 ³ 730 ³ 830 660 550 ³ 550 ³ 620 500 365 ³ 365 ³ 414 330 275 ³ 275 ³ 310 250		
Engine Family	Model	1500rpm	1500rpm	1500rpm		
VSG	VSG11GSI/GSID	140	150	155		

















SYNCHRO SYSTEM

SYNCHRONIZATION deals with synchronizing Diesel Generator or more Diesel Generator with main supply for avoiding production losses. This system gives tripping free operation for precise processes. This system is also used to share the load amongst each DG.

SYNCHRONIZATION, whatever method of paralleling is used the sets must first be synchronized. Synchronism is always determined in the same way; that is, the sin waves must be equal. For the source to be paralleled it must be approximately equal in (1) frequency, (2) voltage and (3) phase rotation. When all three parameters are satisfied and the phrase angle difference is close to zero (preferably less than 5 electrical degrees), the source can be paralleled.

SYNCHRONIZING PANEL are mainly designed and used to meet power system requirements. These panels provide manual as well as automatic synchronizing function for one or more generator breaker. They are widely used in synchronizing generators and offers multi flexing solutions. It will be as specified in paragraph Panels and will provide controls, gauges, meters and display to include.

The device is provided with control switches in the front panel. These switches are responsible for manual raising and lowering of speed voltage of the generator to match the bus frequency and voltage before synchronizing. There are volt meters and digital meters in the device that offer generator and bus measurement.



















SYNCHRONIZING PANELS USUALLY CONSIST OF:

1. GENERATOR CONTROL UNIT

This unit automatically matches generator frequency and voltage.

2. SYNCROCLOSURE UNIT

It sends the closing command to the breaker at the exact moment of phase coincident.

3. SYNCROCLOSURE CHECK RELEY

It performs the progressive function of verifying voltage and phase angle conditions and ensuring that they are within preset limits, before allowing the breaker to close.

SPECIAL PROJECTS..... SPECIAL SOLUTIONS

Ultimate Power Solution Generator has become an international brand in special projects that require intensive accumulation of knowledge and experience thanks to its expert engineering team.

A generator system's structure consists of different characteristics depending on the needs of the project:

- Control and Synchronization System
- · Sound Isolation and Protection System
- · Exhaust and Silencer System
- Fuel Systems
- Cooling Systems



Ultimate Power Solution Generator has completed complex projects with success that could not be solved previously both from the point of mechanical design and from the point of electrical design. In the next stage the after sales team continues to present the required training, maintenance and spare part services to the customers.















Soundproof canopy

- 1. Rainproof type
- 2. Soundproof type
- 3. Super Soundproof type







All our CANOPY parts are designed with modular principles. All metal CANOPY parts are painted by electrostatic polyester powder paint. The exhaust silencer is protected against environment influences and is thermally insulated. It has an emergency stop mushroom type push button which is installed externally. The CANOPY is easy to lift, move and accessible for any maintenance activity. It is designed to withstand extreme weather conditions and complies with International standards.















1. The diesel engine:

Strong power, low fuel consumption.

2. The start motor:

To start the engine.

3. The alternator:

High reliability and durability.

4. Cooling System:

The cooling system consists of heavy-duty radiator, the cooling fan and so on, to ensure the normal operation under the different ambient temperatures. The water inlet on the top of canopy make it easy to add the cooling water.

5. Muffler:

The muffler is using the impedance composite muffler, it's effective, low power lost, the general industrial type and the residential type are optional.

6. Air inlet and exhaust system:

Adopting the precise design of the air inlet and the exhaust system to meet the ventilation requirements under different environments.

7. Control panel:

The control system has a variety of instruments and warning lights. It can show the operation status of the generating set, including the advanced and reliable integrated control module with led screen and a blue backlight.

8. Base frame:

The base frame is a high-intensity seismic structure. It can reduce the deformation of the base due to the shock and self-weight, even if the installed plane of generating set is not very good. This high-strength structure can ensure the overall quality of assembly, equipped with forklift slots, easy to transport. At the same time, the base frame have a shock absorber, that can effectively reduce the vibration amplitude of the generating set to extend the working life and reduce the maintenance costs, in order to make the work of the generating set more reliable. We also produces the base fuel tank that supplies the fuel for the generating set. The plastic base fuel tank and the metal fuel tank are optional.

9. Emergency stop push button:

The function of the emergency stop button is to prohibit the output of the control circuit. PLC control procedure produce the fault signals (including the failure to deal with signal relay action, sound and light alarm signals and so on). At the same time, it can cut off some of the main circuit according to the situation. The role of the stop button is to protect the personal safety of the crew and the generating set.







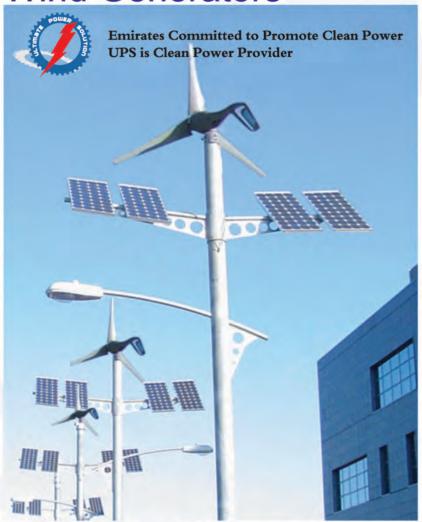








Solar and Wind Generators





We, at UPS, provides the solar and wind generator + the solar power stations and all the solar and the clean power solutions













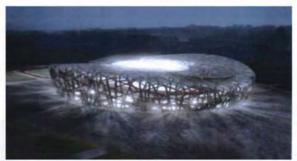




Some Solar Power Projects

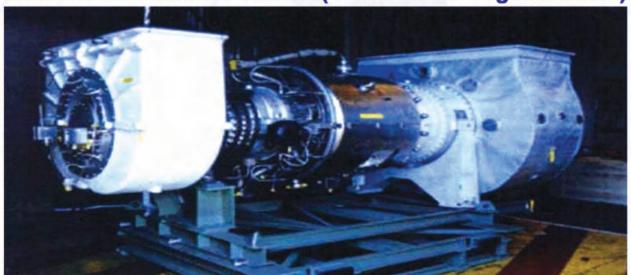








6.75 mw HPC turbine Genset (Heat Power Cogeneration)



Hydro Generators



















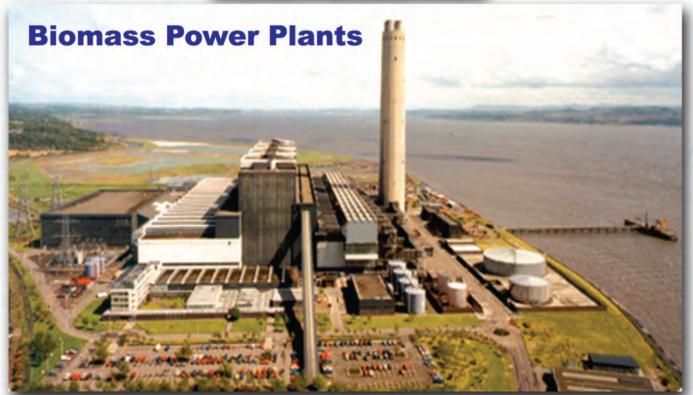






Wind Turbine & Wind farm





Heavy Fuel Power Stations



















PRODUCT MODEL		LIPS	MLT20				
LENGTH (mm)	2430 (1530 - DISMANTLE THE TOW BAR)						
WIDTH (mm)	2430 (1530 - DISMANTLE THE TOW BAR)						
HEIGHT (mm)			70				
HEIGHT (FULLY EXTENDED)			97				
WEIGHT (Kg) (NET)			50				
ENGINE BRAND	LISTER PETT		PERK	INS			
ENGINE MODEL	LPW4	-7.0	403A-	VI.15.3			
FREQUENCY (Hz)	50	60	50	60			
SPEED (rpm)	1500	1800	1500	1800			
CONTINUED POWER (kW)	15	16.5	9.0	9.9			
NUMBER OF CYLINDER	4		3				
DIESEL ENGINE CHARACTERS	٧	ATER COOLED	DIESEL ENGINE				
CYLINDER BORE (mm)	86 81						
COMPRESSION RATIO	18.5:1		23:01				
ALTERNATOR BRAND	LEROY S	SOMER / MECCA	ALTE / UPS / STAMFOR	RD			
INSULATION / ALTERNATOR TYPE		CLASS H / E	BRUSHLESS				
RATING (V)		380	/220				
FUEL TANK CAPACITY (PRIME POWER)	3.4 L/HR		3.0 L	/HR			
TYPE OF LIGHTS			METAL HALIDE F	LOODLIGHTS			
NUMBER & POWER OF LIGHTS		1	4x100	0W			
MAST LIFTING & EXTENSION			MANUAL OP	ERATION			
MAST ROTATION			390 MANUAL C	PERATION			
LIGHT UP/DOWN TURNING			MANUAL OP	ERATION			
BASE SUPPORT			MANUAL OP	ERATION			
TRAILER SUSPENSION SYSTEM		13	TORSION AXI	LE (AL-KO)			
BRAKING SYSTEM		9	TOWING HEIGHT, F				
нітсн			DRAW EYE / TO	WING HOOK			
TIRE AND RIM SIZE			185/1	4"			
ACOUSTIC PRESSURE	21		65dB (A) @ 7 ME	TERS AWAY			
LOAD CAPACITY FOR 40'GP (UNITS)	The second second		8				



















Company





























































AFTER SALES SERVICES









Ultimate Power Solution is dedicated to provide the best support to its customers with all the knowledge and experience.

Ultimate Power Solution has fully trained Field Services Engineers and Technicians having many years of hands on experience in looking after all aspects of the operation and maintenance of Diesel Generator Equipment to get your plant running and keep it running.

Ultimate Power Solution operates an international network of distributors to provide local support to the owners of Ultimate Power Solution. In order to get more information about the nearest distributor to your location, you can get in contact with Ultimate Power Solution after sales services.

TRAINING:

Ultimate Power Solution distributors are supported by after Sales Services Department. Ultimate Power Solution provides numerous training courses at its factory facilities in SAIF Zone on regular bases and even conducts at your plant or office on request. Courses are available at different levels from beginners to advanced.



















Ultimate Power Solution

PERFORMANCE

HIGH PERFORMANCE

Engine:

- In compliance with ISO 8528-2, ISO 3046, BS 5514, DIN 6271 Standards.
- · Product of latest technology.
- Low Fuel Consumption.
- Mechanical or Electronical type of governor with sensitive speed adjustment.
- Globally approved quality and brands.

Alternator:

Globally approved quality and brands equipment for mobile use and designed with an extraordinary noiseless feature, according to the customer's request.

Rental Services:

Ultimate Power Solution provides full, quick and most suitable rental and after rental service, installation and supervision based on customer requirements by our worldwide service points with our wide range of gasoline and diesel generating sets from 5 KVA to 2500 KVA.



















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