

Ultimate Power Solution

YOUR WAY FOR Power



UPS
GENERATORS

Perkins

DOOSAN

Cummins

**LISTER
PETTER**

**LEROY
SOMER**

DEUTZ



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, Iraq, 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 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 to meet complex power requirements. All solutions and products are designed to meet the unique needs of each customers on a project - by - project basis.

ULTIMATE POWER SOLUTION NETWORK :

- ⑦ Ultimate Power Solution FZC - Sharjah, United Arab Emirates

OUR PRODUCTS :

- ⑦ Gasoline portable gen-sets 2.2 - 10 kVA
- ⑦ Diesel gen - sets 8 - 2,500 kVA
- ⑦ Gas turbine - Gas gen-sets (including CHP-units)
- ⑦ Marine auxiliary gen-sets, Onan Marine gen-set
- ⑦ Mobile gen-set
- ⑦ Heavy Fuel Power Stations
- ⑦ Wind Turbine
- ⑦ Hydro generators



High 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

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

ALL KINDS OF GENSET ACCESSORIES SUCH AS :

- ⊘ SOUND PROOF CANOPIES

All our enclosures have the following quality features :

- ⊘ Totally enclosed exhaust silencing system
- ⊘ Robust and highly corrosion resistant construction
- ⊘ Fully weatherproof
- ⊘ Excellent access for maintenance.
- ⊘ Automatic Transfer Switch Panels (or ATS)
- ⊘ Synchronizing Panels

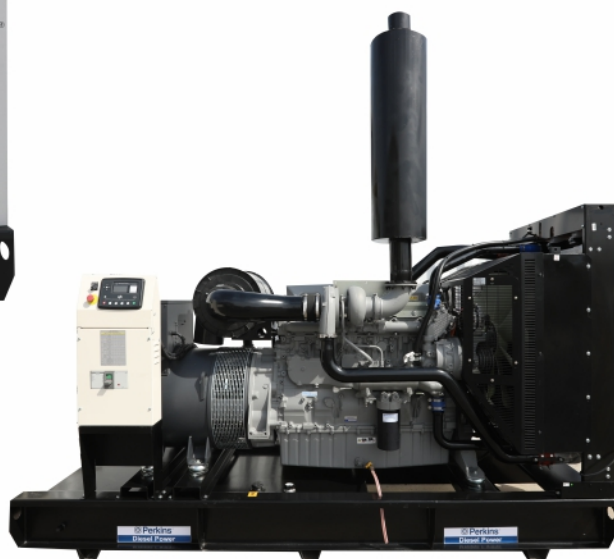
After Market Services :

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



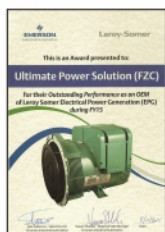
Ultimate Power Solution

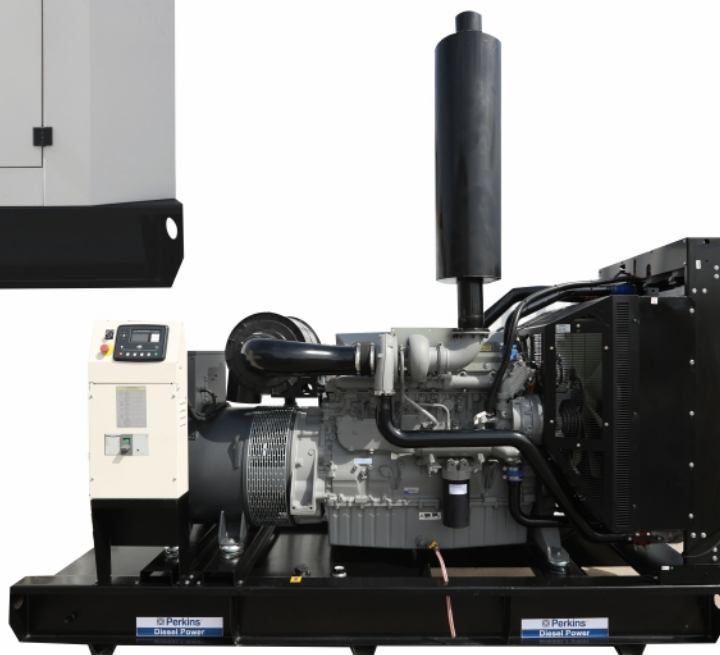
Your way For Power



Perkins 50 Hz

50Hz / 1500 RPM													
Gen-set Model	PERKINS Engine Model	No. of Cylinder	Alternator Model	Prime Power		Standby Power		Max Fuel Cons. (L/Hr)		Dimension (mm) (L x H x W)		Weight (Kg)	
				KVA	KW	KVA	KW	PRIME	STANDBY	CLOSED TYPE	OPEN TYPE	CLOSED	OPEN
UPSP10	403A-11G1	3	TAL040 B	9.0	7.2	9.9	7.9	3.0	3.6	1780*900*1380	1350*530*1092	500	400
UPSP15	403A-15G2	3	TAL040 D	15.0	12.0	17.0	13.0	5.0	6.0	1780*900*1380	1320*530*1105	600	450
UPSP20	404A-22G1	4	TAL040 F	20.3	16.2	22.3	17.8	5.3	6.1	1780*900*1380	1351*530*1152	700	450
UPSP30	1103A-33G	3	TAL042 C	30.0	24.0	33.0	26.4	7.2	8.1	2200*1000*1520	1650*770*1252	850	700
UPSP45	1103A-33TG1	3	TAL042 F	45.0	36.0	49.6	39.7	10.8	11.7	2200*1000*1520	1650*770*1252	900	700
UPSP60	1103A-33TG2	3	TAL042 H	60.0	48.0	66.0	52.8	14.6	15.9	2200*1000*1520	1702*801*1197	1000	800
UPSP80	1104A-44TG2	4	TAL044 B	80.0	64.0	88.0	70.4	18.7	20.5	2400*1100*1650	2050*860*1310	1300	1000
UPSP100	1104C-44TAG2	4	TAL044 D	101.4	81.4	111.9	89.6	22.6	24.9	2400*1100*1650	2050*860*1310	1400	1050
UPSP135	1106A-70TG1	6	TAL044 H	135.0	108.0	150.0	120.0	30.2	33.8	2850*1100*1650	2440*860*1359	1600	1200
UPSP150	1106A-70TAG2	6	TAL044 J	150.0	120.0	165.0	132.0	33.4	36.1	2850*1100*1650	2440*860*1359	1700	1400
UPSP180	1106A-70TAG3	6	TAL044 L	180.0	144.0	200.0	160.0	41.4	45.1	3320*1100*1850	2350*900*1489	2000	1600
UPSP200	1106A-70TAG4	6	TAL044 M	200.0	160.0	220.0	176.0	45.8	49.4	3320*1100*1850	2350*900*1489	2500	2000
UPSP230	1206A-E70TTAG2	6	TAL046 C	225.0	180.0	250.0	200.0	51.0	56.6	3470*1300*2020	2750*1000*1549	2500	2000
UPSP230	1506A-E88TAG2	6	TAL046 C	230.0	184.0	250.0	200.0	48.6	51.5	3470*1300*2019	2750*1000*1549	2500	2000
UPSP250	1506A-E88TAG3	6	TAL046 D	250.0	200.0	275.0	220.0	56.0	61.0	3470*1300*2020	2750*1000*1550	3000	2500
UPSP250	1206A-E70TTAG3	6	TAL046 D	250.0	200.0	275.0	220.0	56.9	64.5	3470*1300*2020	2750*1000*1550	3000	2500
UPSP300	1506A-E88TAG5	6	TAL046 F	300.0	240.0	330.0	264.0	64.9	73.1	3770*1300*2020	3200*1150*1988	3500	2800
UPSP300	1706A-E93TAG1	6	TAL046 F	307.0	246.0	339.0	220.0	61.8	67.6	3770*1300*2020	3360*1120*2248	3500	2800
UPSP350	2206A-E13TAG2	6	TAL046 H	350.0	280.0	400.0	320.0	71.0	80.0	3860*1380*2419	3360*1120*2247	4000	3200
UPSP350	1706A-E93TAG2	6	TAL046 H	348.0	278.0	384.0	307.0	69.6	76.5	3860*1380*2420	3360*1120*2248	4000	3200
UPSP400	2206A-E13TAG3	6	TAL0473 A	400.0	320.0	450.0	360.0	81.0	90.0	3860*1380*2420	3360*1120*2248	4000	3400
UPSP450	2506A-E15TAG1	6	TAL0473 B	455.0	364.0	500.0	400.0	95.0	104.0	4440*1380*2419	3600*1150*1989	4500	4000
UPSP500	2506A-E15TAG2	6	TAL0473 C	500.0	400.0	550.0	440.0	100.0	111.0	4440*1380*2420	3600*1150*1990	4500	4000
UPSP600	2806A-E18TAG1A	6	TAL0473 E	600.0	480.0	660.0	528.0	123.0	134.0	4640*1680*2420	3500*1480*2097	5000	4500
UPSP650	2806A-E18TAG2	6	TAL0473 F	650.0	520.0	700.0	560.0	132.0	143.0	4640*1680*2420	4640*1680*2000	5000	4500
UPSP700	2806A-E18TTAG4	6	TAL049 B	706.0	565.0	780.0	624.0	145.0	160.0	5800*2240*2398	4200*1720*2248	6500	6000
UPSP750	2806-E18TTAG5	6	TAL049 B/C	771.0	617.0	850.0	680.0	162.0	180.0	5800*2240*2399	4200*1720*2249	8000	7000
UPSP750	4006-23TAG2A	6	TAL049 B	750.0	600.0	825.0	660.0	157.0	173.0	5800*2240*2400	4200*1720*2250	8000	7000
UPSP800	4006-23TAG3A	6	TAL049 C	800.0	640.0	900.0	720.0	172.0	194.0	5800*2240*2400	4175*1720*2218	8500	7500
UPSP1000	4008TAG2A	8	TAL049 E	1022.0	818.0	1125.0	900.0	215.0	240.0	6008*2430*2598	4550*2070*2391	11000	9000
UPSP1250	4012-46TWG2A	12	LSA50.2 M6	1250.0	1000.0	1385.0	1108.0	259.0	288.0	12192*2440*2900	4550*2070*2391	13000	11000
UPSP1350	4012-46TAG1A	12	LSA50.2 L7	1364.0	1091.0	1500.0	1200.0	281.0	308.0	12192*2440*2900	4600*1998*2525	14500	12000
UPSP1500	4012-46TAG2A	12	LSA50.2 L8	1505.0	1204.0	1656.0	1325.0	310.0	341.0	12192*2440*2900	4600*1998*2525	16000	13500
UPSP1850	4016TAG1A	16	LSA52.3 S5	1844.0	1476.0	2028.0	1622.0	383.0	424.0	11500*3100*3600	5800*2740*3370	17000	14500
UPSP2000	4016-TAG2A	16	LSA52.3 S6	2058.0	1646.0	2263.0	1811.0	434.0	483.0		TO BE UPDATED		
UPSP2250	4016-61TRG3	16	LSA52.3 L9	2250.0	1800.0	2500.0	2000.0	470.0	529.0		TO BE UPDATED		



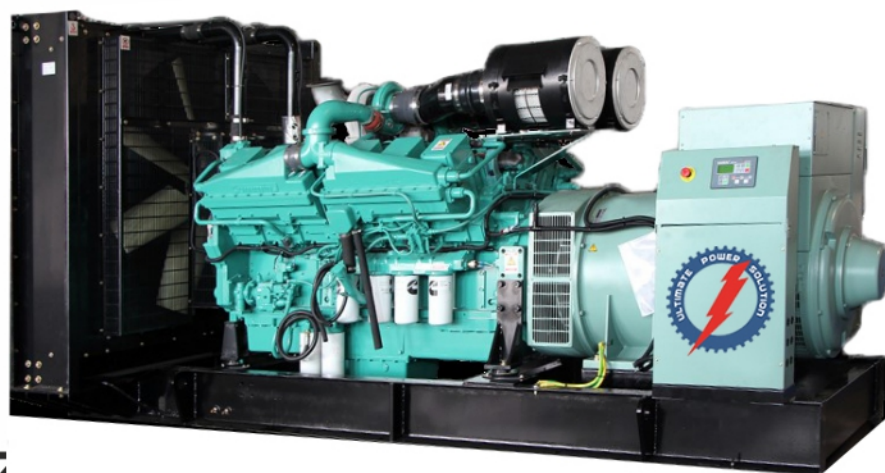


PERKINS 60HZ

60Hz / 1800 RPM

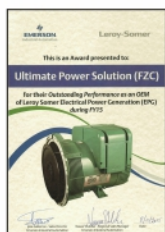
GENSET MODEL	PERKINS ENGINE MODEL	NO. OF CYLINDER	ALTERNATOR	PRIME		STANDBY		MAX FUEL CONSUMPTION (L/HR)		DIMENSION (MM) (LXWXH)		WEIGHT (KG)	
				KVA	KW	KVA	KW	PRIME	STANDBY	CLOSED TYPE	OPEN TYPE	CLOSED	OPEN
UPSP35	1103A-33G	3	TAL042 C	35	28	38	31	8.6	9.5	2200*1000*1520	1650*770*1252	850	700
UPSP53	1103A-33TG1	3	TAL042 F	53	43	59	47	12.9	14.3	2200*1000*1520	1650*770*1252	900	700
UPSP68	1103A-33TG2	3	TAL042 H	68	55	75	60	16.6	18.2	2200*1000*1520	1702*801*1197	1000	800
UPSP91	1104A-44TG2	4	TAL044 B	91.3	73	100.3	80.3	22.3	24.4	2400*1100*1650	2050*860*1310	1300	1000
UPSP114	1104C-44TAG2	4	TAL044 D	114	92	127	101	22.3	24.4	2400*1100*1650	2050*860*1310	1400	1050
UPSP152	1106A-70TG1	6	TAL044 H	152	122	169	135	26.9	29.7	2850*1100*1650	2440*860*1359	1600	1200
UPSP169	1106A-70TAG2	6	TAL044 J	169	135	188	150	33.4	36.1	2850*1100*1650	2440*860*1359	1700	1400
UPSP197	1106A-70TAG3	6	TAL044 L	197	158	219	175	46.4	50.5	3320*1100*1850	2350*900*1489	2000	1600
UPSP225	1206A-E70TTAG2	6	TAL046 C	225	180	250	200	54.5	61.1	3470*1300*2020	2750*1000*1549	2500	2000
UPSP245	1506A-E88TAG2	6	TAL046 C	245	196	269	215	54.2	59.5	3470*1300*2019	2750*1000*1549	2500	2000
UPSP292	1506A-E88TAG3	6	TAL046 D	292	234	317	254	63.1	69.8	3470*1300*2020	2750*1000*1550	3000	2500
UPSP350	1506A-E88TAG5	6	TAL046 F	352	282	386	309	77.1	85.7	3770*1300*2020	3200*1150*1988	3500	2800
UPSP400	2206A-E13TAG2	6	TAL046 H	400	320	438	350	81.0	87.0	3860*1380*2419	3360*1120*2247	4000	3200
UPSP500	2506A-E15TAG1	6	TAL0473 B	500	400	563	450	102.0	116.0	4440*1380*2419	3600*1150*1989	4500	4000
UPSP625	2806A-E18TAG1A	6	TAL0473 E	625	500	687	550	127.0	141.0	4640*1680*2420	3500*1480*2097	5000	4500
UPSP750	4006-23TAG2A	6	TAL049 B	750	600	825	660	177.0	199.0	5800*2240*2400	4200*1720*2250	8000	7000
UPSP844	4006-23TAG3A	6	TAL049 C	844	675	938	750	200.0	224.0	5800*2240*2400	4175*1720*2218	8500	7500
UPSP995	4008TAG2A	8	TAL049 E	995	796	1097	878	224.0	249.0	6008*2430*2598	4550*2070*2391	11000	9000
UPSP1250	4012-46TWG2A	12	LSA50.2 M6	1253	1002	1385	1108	266.0	298.0	12192*2440*2900	4550*2070*2391	13000	11000
UPSP1500	4012-46TAG2A	12	LSA50.2 L8	1511	1208	1661	1329	319.0	251.0	12192*2440*2900	4600*1998*2525	16000	13500

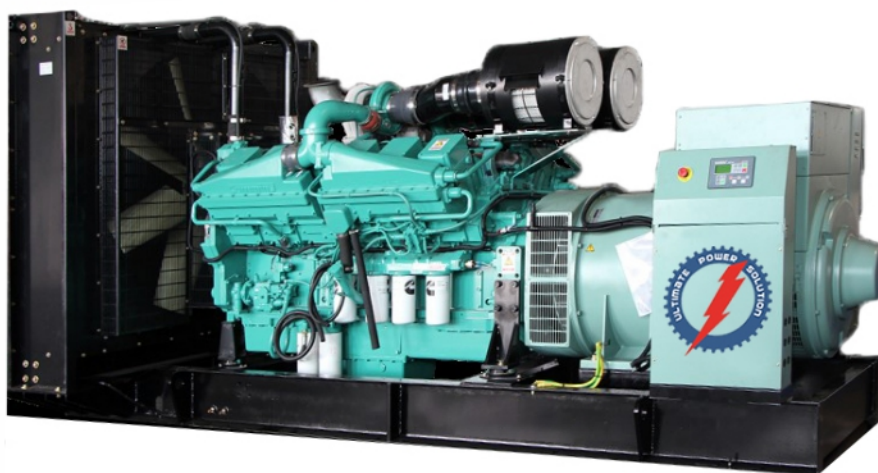




Cummins 50 Hz

50Hz / 1500 RPM											
Gen- set Model	PERKINS Engine Model	No. of Cylinder	Alternator Model	Prime Power		Standby Power		Max Fuel Cons. (L/Hr)	Dimension (mm) (L x H x W)	Weight (Kg)	
				KVA	KW	KVA	KW			CLOSED TYPE	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	6BTA5.9-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	6CTA8.3-G1	6	LSA/TAL046 B	200.0	160.0	220.0	176.0	43.0	2800*1100*1637	110	990
UPSC250	6CTA8.3-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

60Hz / 1800 RPM											
Gen- set Model	PERKINS Engine Model	No. of Cylinder	Alternator Model	Prime Power		Standby Power		Max Fuel Cons. (L/Hr)	Dimension (mm) (L x H x W)	Weight (Kg)	
				KVA	KW	KVA	KW		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	6BTA5.9-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	110	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



Ultimate Power Solution *Your way For Power*



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).
- Operator's 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 only).
- 12v electric starting system.
- High engine temperature and low oil pressure shut down system.

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

Alternator Specification:

- Single bearing, 4 pole brushless alternator.
- Solid state AVR with $\pm 1.5\%$ voltage regulation as standard.
- Class "H" Insulation on the rotor and stator.



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.



MODEL	GENSET SPECIFICATION						ENGINE SPECIFICATION					
	KVA		KW		DIMENSION (LxWxH)	WEIGHT (KG)	ENGINE MODEL	CYL	CAPACITY (C/L)	BORE (mm)	STOCKE (mm)	FUEL CONS. (L/h)
	STANDBY	CONTINUOUS	STANDBY	CONTINUOUS								
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



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UPS • WAUKESHA UPS GAS GENSET

UPS /WAUKESHA 140KW-3250KW Series Natural Gas

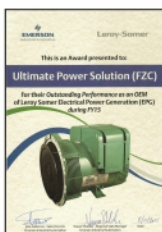
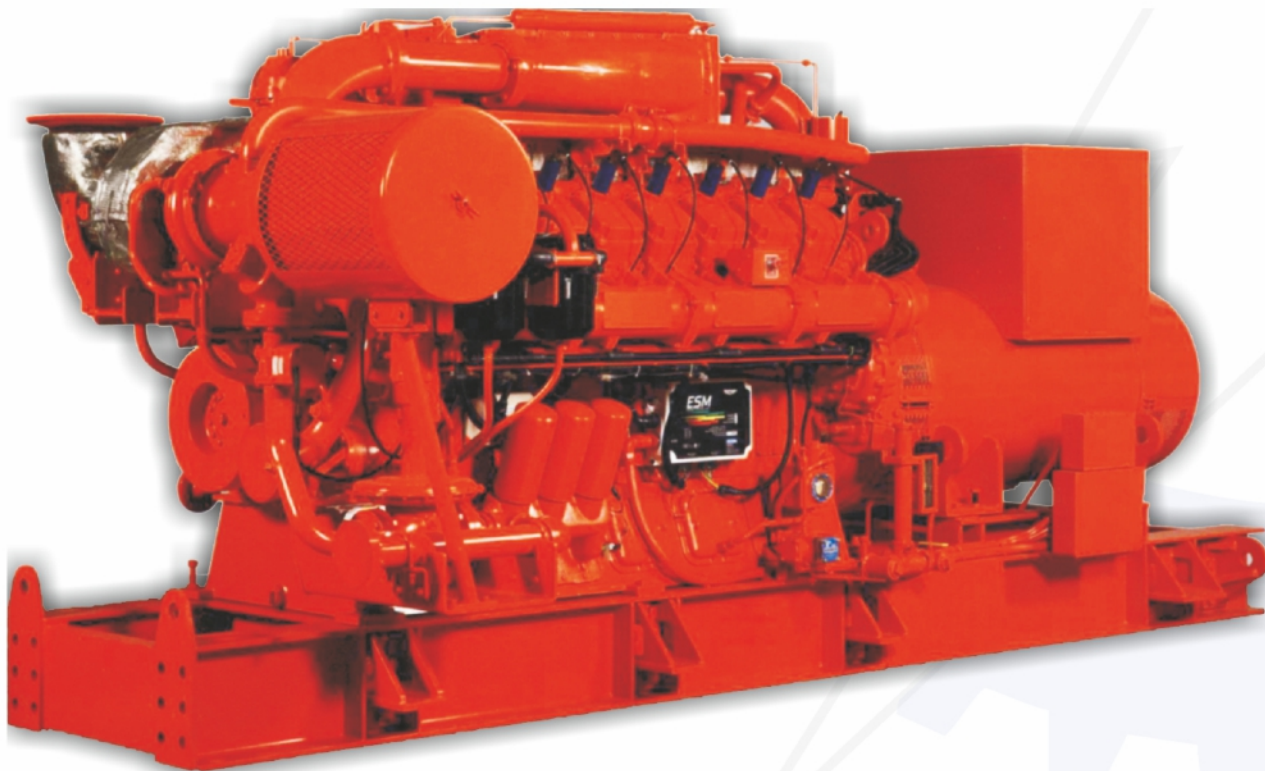
WAUKESHA make series completed natural gas engine series and it design almost car to power and compression requirements of different industrial lines.

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 in the biggest engine for its volume and horsepower. this engines series are designed against duration, strenth, stableness and driven force. it is well known its skillfulness and high efficiency

VGF and vsg series gas engine - enjoying compact design and high speed, can supply large power but do not occupy much space.

VHP series is the backbone of WAUKESH engine series and themost popular one in engine family tree. customers favorableness enables us to improve on this series engine. reliability and efficiency are always keeping advanced.





UPS	WAUKESHA	Remote radiator cooling(cwe) 50Hz		Only (kWe) 50Hz
		Continuous	Standby	Continuous
Engine Family	Model	1000rpm	1000rpm	1000rpm
ATGLTM 10% overload not available	16V-AI27GL	3250 ⁵	3250	3356 ³
	12V-AI27GL	2220	2440	2335
	BL-AI27GL	1480	1630	1560
Engine Family	Model	1500rpm		1500rpm
APGTM no overload allowed	APG1000	1000 ⁷		1038 ⁷
	Model	1500rpm		1500rpm
	APG2000 APG3000	2100 ⁷ 3200 ⁷		2200 ⁷ 3300 ⁷
Engine Family	Model	1000rpm	1000rpm	1000rpm
VHPTM engine available with low fuel pressure system(lfps) with the same rating refer to page 15 for lfps amvient and attitude adjustments no overload allowed	VHP9500GSI	1175	1450	1224
	VHP9500GI	1175	1295	1224
	VHP7104GSI	1100 ⁷	1100	1537
	VHP7104GSID	1100 ^{1,7}	1100 ¹	1153 ^{1,7}
	VHP7100GSI	875	1075	919
	VHP7100GSI	875 ¹	1075 ¹	919 ⁷
	VHP7100GL	875	965	919
	VHP7100G	635	710	668
	VHP5904LT	900 ⁷	940	947 ⁷
	VHP5904LTD	900 ^{1,7}	900 ¹	947 ^{1,7}
	VHP5904GSI	900 ⁷	900	947 ⁷
	VHP5904GSID	900 ^{1,7}	900 ¹	947 ^{1,7}
	VHP5900G	475	525	550
	VHP3604GSI	540 ⁷	540	573 ⁷
	VHP3604GSID	540 ^{1,7}	540 ¹	573 ^{1,7}
	VHP3600G	315	350	340
Engine Family	Model	1500rpm	1500rpm	1500rpm
VGFTM these power ratings require pricebook option code 1100 (176bpm) 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	685 ³	715	730 ³
	VGFF48GLD	685 ³	715	730 ³
	VGFF48GLD/2	—	—	830
	VGFF48GSI/GSD	625	685	660
	VGFF36GL	515 ^{3,9}	535 ⁹	550 ^{3,9}
	VGFF36GLD	515 ³	535	550 ³
	VGFF36GLD/2	—	—	620
	VGFF36GSI/GSID	475	515	500
	VGFF24GL	340 ^{3,9}	355 ⁹	365 ^{3,9}
	VGFF24GLD	340 ³	355	365 ³
	VGFF24GLD/2	—	—	414
	VGFF24GSI/GSID	310	340	330
	VGFF18GL	250 ^{3,9}	260 ⁹	275 ^{3,9}
	VGFF18GLD	250 ³	260	275 ³
	VGFF18GLD/2	—	—	310
	VGFF18GSI/GSID	230	255	250
Engine Family	Model	1500rpm	1500rpm	1500rpm
VSGTM	VSG11GSI/GSID	140	150	155



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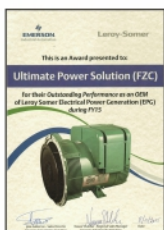
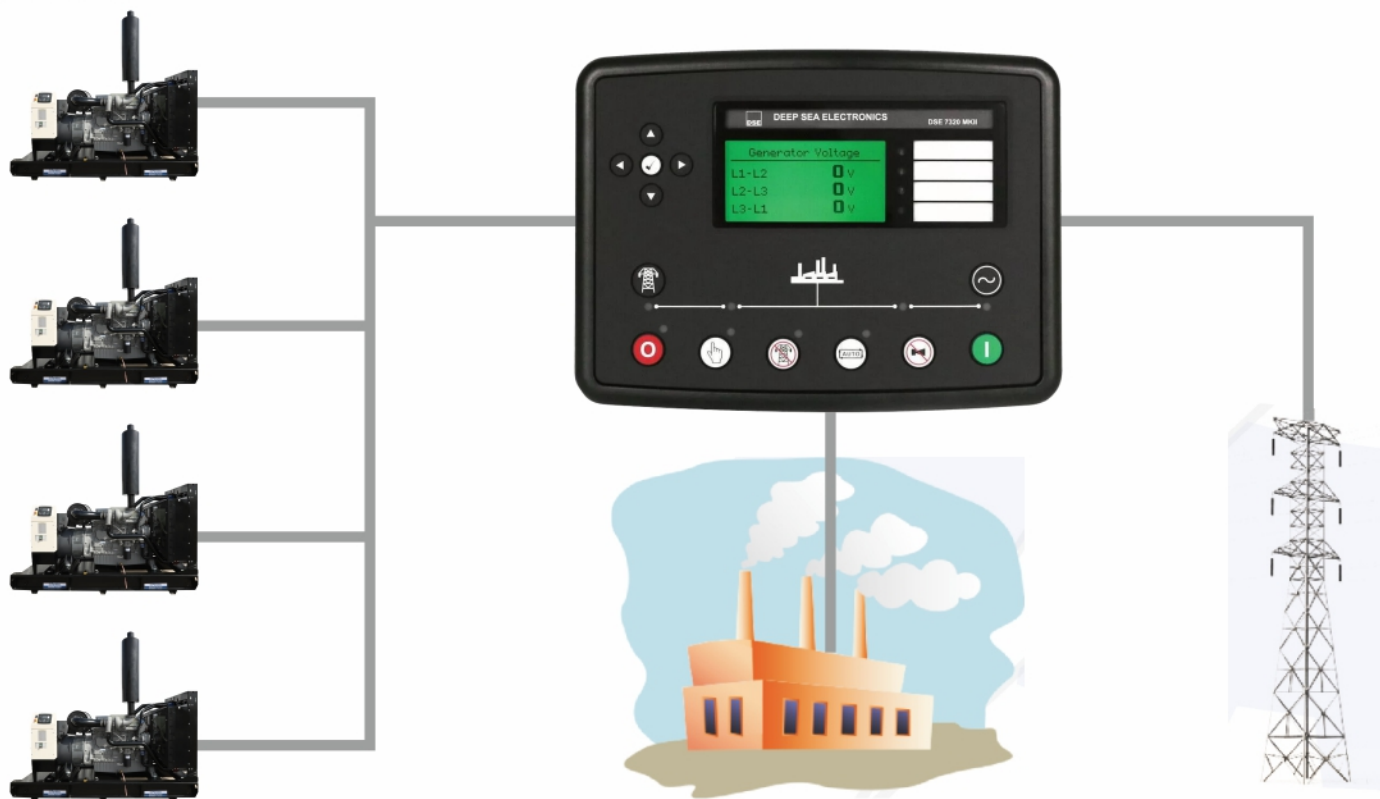
SYNCHRO SYSTEM

SYNCHRONIZATION deals with synchronizing Diesel Generator or more Diesel Generator with main supply for avoid production losses. This system gives tripping free operation for precise processes. This system 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 sine waves must be equal. The source to be paralleled must be approximately equal in (1) frequency, (2) voltage and (3) phase rotation. When all three parameters are satisfied and the phase 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 offering multi flexing solutions. It shall be as specified in paragraph Panels and shall 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 volts meter 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 volage.

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 conditons 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 engineer team.

A generator systems's structure consists of different characteristics depending on the needs of the projects;

- 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 electric design. In the next stage; after sales team continues to present the required training, maintenance and spare part services to the customers.



Ultimate Power Solution

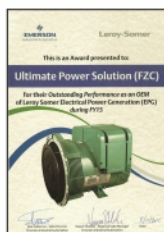
Your way For Power

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 thermally insulated. Has an emergency stop mushroom type pushbutton which is installed externally. CANOPY is easy to lift, move and accessible for any maintenance activity. It is designed to withstand extreme weather conditions and complies a 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 is consist of the heavy-duty radiator, the cooling, fan and so on, to ensure the normal operation under the different ambient temperature. The water inlet on the top of canopy, 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 :

Adopt the precise design of the air inlet and the exhaust system to meet the ventilation requirement under are different enviroments.

7. Control panel :

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

8. Base frame :

The base frame is the 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 the shock absorber, can effectively reduce the vibration amplitude of the generating set, to extend the working life, reduce the maintenance costs, in order to bring the work of the generating set more reliable, also we can produces the base fuel tank, to supply the fuel of generating set, the plastic base fuel tank and the metal fuel tank are optional.

9. Emergency stop pushbutton :

The function of the emergency stop button is to prohibit the output of the control circuit and 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.



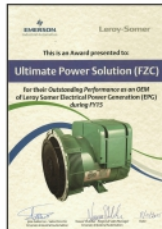
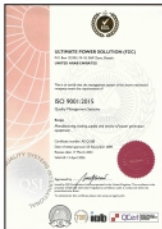
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Solar and Wind Generators

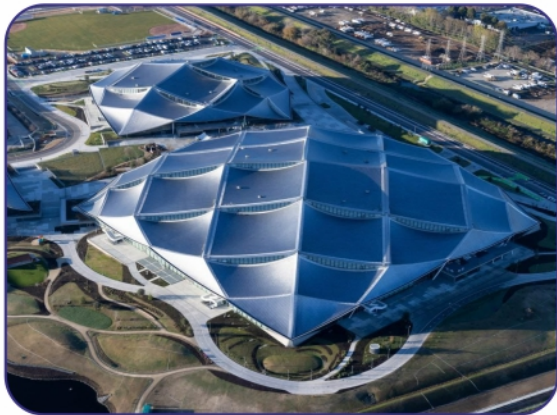
Your way For Power



We are in UPS providing 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



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Your way For Power

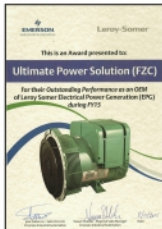
Wind Turbine & Wind farm



Biomass Power Plants



Heavy Fuel Power Stations



LIGHT TOWER TECHNICAL DATA SHEET

PRODUCT MODEL	UPS-MLT20			
LENGTH (mm)	2430 (12530 - DISMANTLE THE TOW BAR)			
WIDTH (mm)	1302			
HEIGHT (mm)	2170			
HEIGHT (FULLY EXTENDED)	2597			
WEIGHT (KG((NET)	115			
ENGINE BRAND	LISTER PETTER		PERKINS	
ENGINE MODEL	LPW4		403-11G	
FREQUNCY (Hz)	50	60	50	60
SPEED (rpm)	1500	1800	1500	1800
CONTINUED POWER (kW)	15	16.5	9	9.9
NUMBER OF CYLINDER	4		3	
DIESEL ENGINE CHARACTERS	WATER COOLED DIESEL ENGINE			
CYLINDER BORE (mm)	86		81	
COMPRESSION RATIO	18.5:1		23:01	
ALTERNATOR BRAND	LEROY SOMER/ MECCALTE/ UPS/ STAMFORD			
INSULATION/ ALTERNATOR TYPE	CLASS H / BRUSHLESS			
RATING (V)	380/220			
FUEL TANK CAPACITY (PRIMER POWER)	3.4 L/HR		3.0 L/HR	
TYPE OF LIGHTS	METAL HALIDE FLOOD LIGHTS			
NUMBER OF LIGHTS	4X1000W			
MAST LIFTING & EXTENSION	MANUAL OPERATION			
MAST ROTATION	390 MANUAL OPERTATION			
LIGHT UP/DOWN TURNING	MANUAL OPERATION			
BASE SUPPORT	MANUAL OPERATION			
TRAILER SUSPENSION SYSTEM	TORSION AXLE (AL-KO)			
BRAKING SYSTEM	INTERIA DRUM BRAKE WITH STABLE TOWING HEIGHT, PARKING BRAKE			
HITCH	DRAW EYE/ TOWING HOOK			
TORE AND RIM SIZE	185/14"			
ACOUSTIC PRESSURE	65dB (A) @ 7 METERS AWAY			
LOAD CAPACITY FOR 40'GP (UNITS)	8			



Ultimate Power Solution Company

Your way For Power





Ultimate Power Solution *Your way For Power*

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 fully trained Field Services Engineers and Technicians having many years of hands on experienced on looking after all aspects of the operation and maintenance of Diesel Generator Equipment get your plant up 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 it 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 or even conducted at your plant or office on request. Courses are available at different levels from the beginners to the 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:

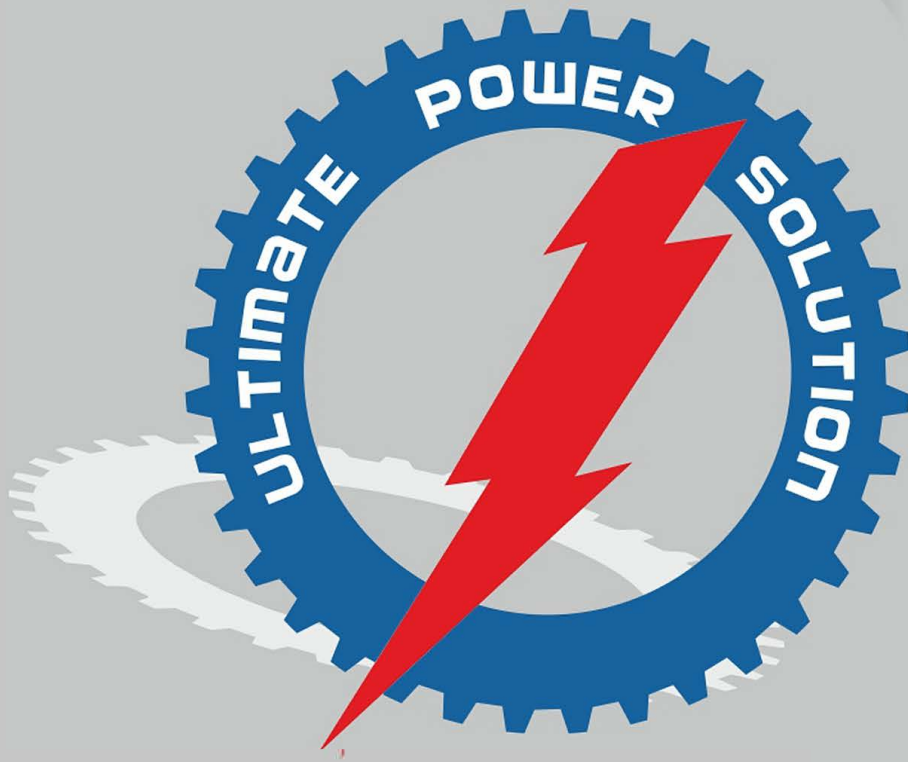
Globally approved quality and brands ry equipment for mobile use and designed with an extraordinary noiseless feature, according to the customer request.

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

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





***YOUR WAY
FOR POWER***

Ultimate Power Solution (FZC)

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SCAN ME

