

DIESEL POWER GENERATOR

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Unit 1804 South Bank Tower, 55 Upper Ground, London, United Kingdom SE19EY. Registered in England & Wales #15886884



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01

ABOUT
ORSON

**ONE#
PART**

ABOUT ORSON POWER



Orson Power Limited, located in United Kingdom, specializes in diesel and gas power generation. Orson provides complete diesel generator sets made in UK with Orson engine, alternator and control system, ranges from 10kva to 3000kva.

Excellent quality control and design brings reliability to our users around the world. Orson power generator can be used in various industries, such as hospitals, hotels, data centers, commercial buildings, etc.

For Diesel Generator sets, Orson offers complete diesel genset, which equipped Orson engine, alternator and controller, ranged from 10kva to 3000kva. Orson engine can be used for one step load and continuous power, suitable for hospitals and data centers. With reliable design of canopy and containerized, Orson Complete genset can be applied in many kinds of weather conditions.

For Gas Generator Sets, Orson offers gas solutions of natural gas, biogas, coal gas and LPG, etc. Orson cooperates with MWM to offer gas gensets from 400kw to 2000kw. With high electrical efficiency and reliable performance.

UK CERTIFIED





Mission

Orson's mission is to be a global professional power solutions provider, delivering reliable, innovative, and eco-friendly diesel generators. We are committed to providing customers with safe, efficient, and high-quality energy systems, ensuring stable power in every sector. Through continuous technological advancement and exceptional customer service, we aim to drive sustainable development across industries.



Vision

Orson's vision is to shape the future of energy by leading in innovation, collaboration, and sustainability. We aspire to be the go-to global brand for power solutions, providing smarter, greener, and more efficient energy systems, while actively contributing to a cleaner, more sustainable energy landscape.



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Patents

Orson keeps the innovation on generator design and applications



22

Certificates

Orson has gained 22 certificates from the famous institution in UK

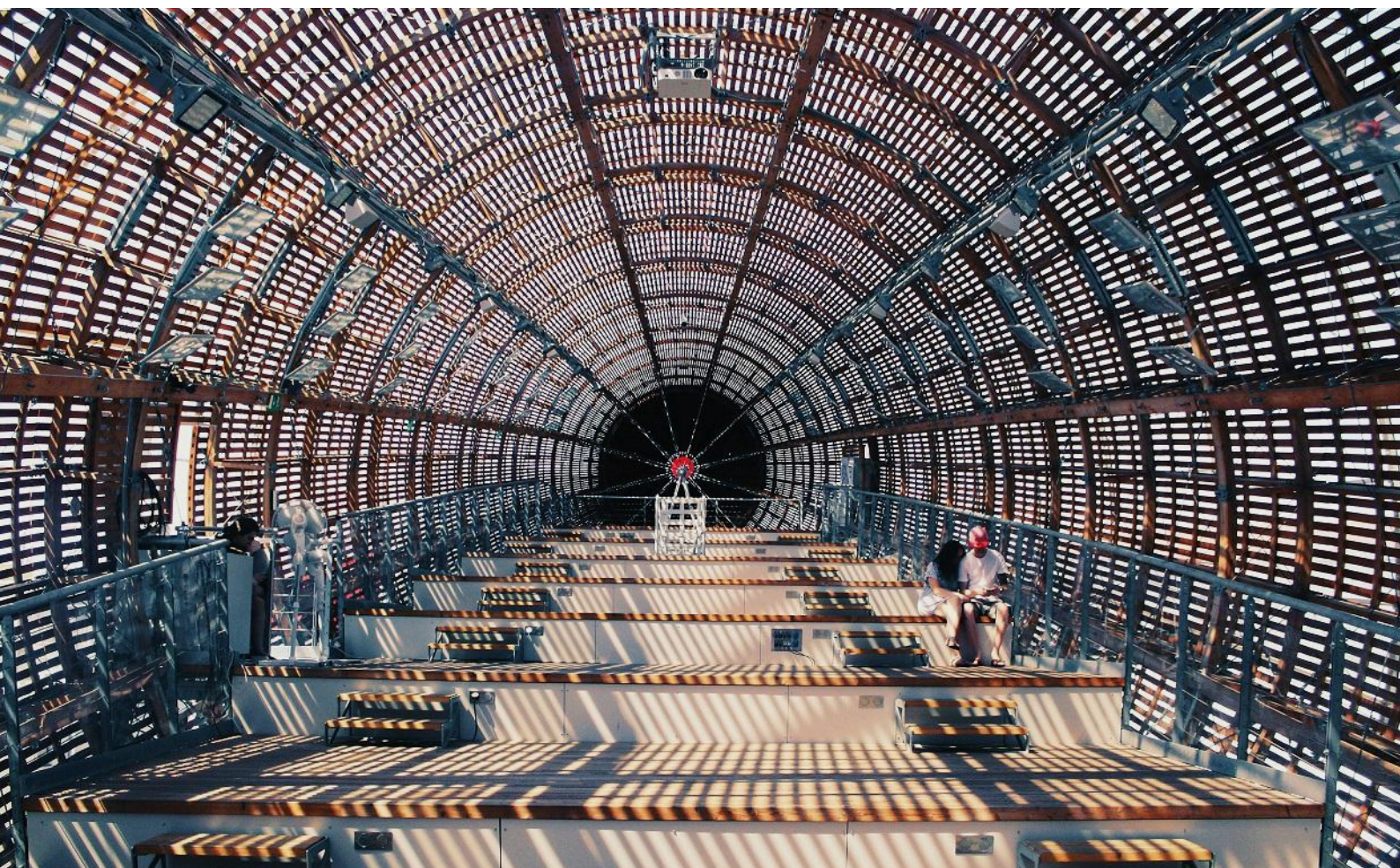


**ORSON
CONTINUES
TO GROW**

POWER ALWAYS ON WITH ORSON

We all rely on electricity, whether at home or work, having a reliable standby or prime power system is crucial for both homes and businesses. These systems not only safeguard against the risks associated with power loss but can also pay for themselves with just a single outage.

Orson Offers a complete line of prime and standby power solutions for homes and businesses, such as Agricultural enterprises, Banks, Convenience stores, Gas stations , Homes, Hospitals, Hotels, Light industries ,Public buildings, Retail stores, Restaurants, Shopping malls, Data Centers.



WE ARE A TOTAL SOLUTIONS PROVIDER

As a global professional supplier in power generation, we bring decades of experience in addressing a wide range of power needs, whether it's continuous, prime, peaking, standby, cogeneration, or a complete turnkey power plant solution.

Orson is renowned for designing and manufacturing fully integrated generator sets, with capacities ranging from 10 kVA to 3000 kVA. Every key component—engine, alternator, transfer switches, and control systems—are designed and manufactured under Orson, ensuring superior quality and seamless integration.



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PRODUCT

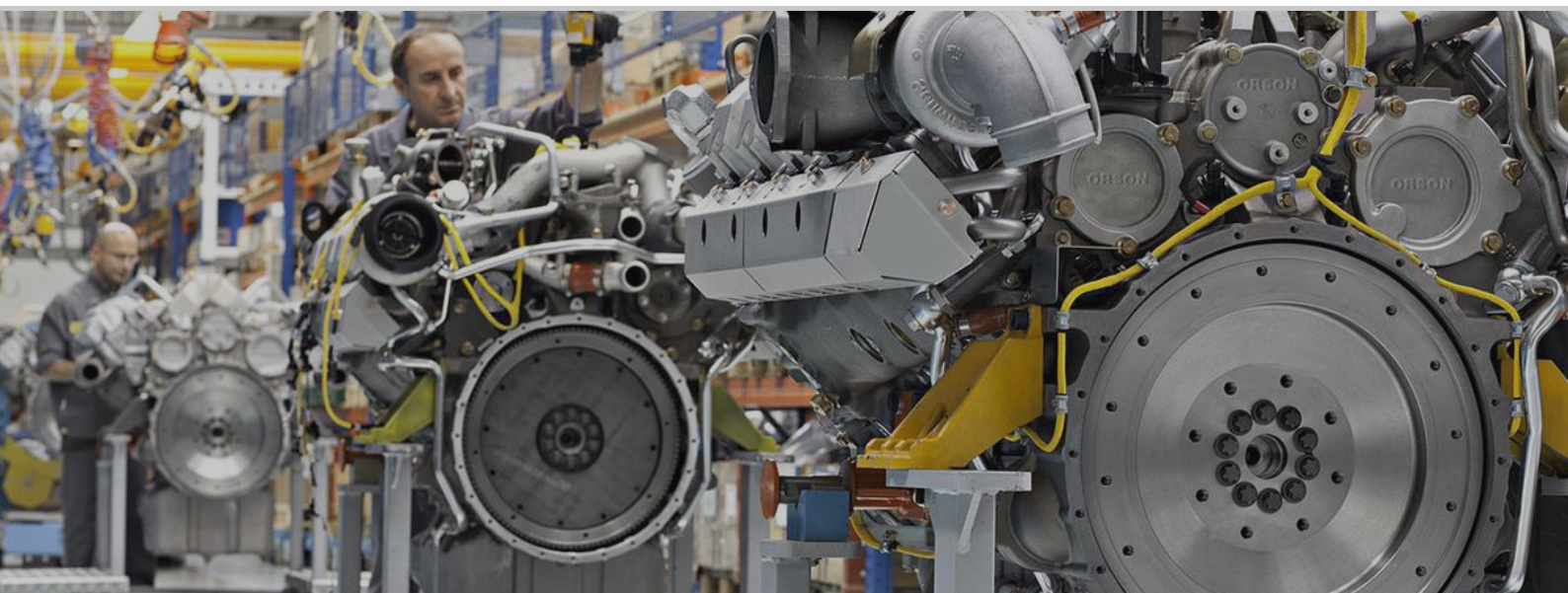
**TWO#
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QUALITY DRIVEN PRODUCTS

We have always been passionate about delivering high quality, durable and reliable products

At Orson, our commitment to designing, producing, and delivering high-quality, reliable products has always been a priority. To uphold this standard, we use data-driven tools to detect defects and variations throughout our manufacturing and business processes. These tools are implemented across every part of Orson's global operations, establishing a unified approach to problem-solving and product development.

This approach allows us to accurately understand the unique needs of our clients and consistently deliver tailored solutions that exceed expectations. Our global practices ensure that, no matter where you are, you receive the highest quality and most reliable products available.



ORSON DIESEL GENERATOR SETS

Orson offers complete diesel genset, which equipped Orson engine, alternator and control system, ranged from 10kva to 3000kva. Orson engine can be used for one step load and continuous power, suitable for hospitals and data centers. With reliable design of canopy and containerized, Orson Complete genset can be applied in many kinds of weather conditions.



DIESEL GENERATOR SETS

50HZ MODEL RANGE

GENSET MODEL	Standby Rating		Prime Rating		Engine Model	Cylinder No.	Dimension (mm)	Gross Weight (kg)
	KW	KVA	KW	KVA				
OPK17	14	17	12	15	ODK4E252G	4	1300*700*950	430
OPK28	22	28	20	25	ODK4E273G	4	1430*700*950	530
OPK33	27	33	24	30	ODK4E312G	4	1430*700*950	560
OPK42	33	42	30	38	ODK4E325G1	4	1500*700*950	670
OPK55	44	55	40	50	ODK4ET350G1	4	1580*750*1100	740
OPK66	53	66	48	60	ODK4ET432G1	4	1730*750*1150	850
OPK85	68	85	60	75	ODK4ET432G2	4	1770*800*1150	850
OPK110	88	110	80	100	ODK4ET452G	4	2000*980*1200	1100
OPK140	112	140	100	125	ODK4ET452G1	4	2000*980*1200	1123
OPK165	132	165	120	150	ODK6ET642G	6	2580*950*1600	1412
OPK200	160	200	150	188	ODK6ET642G1	6	2580*950*1600	1437
OPK220	176	220	160	200	ODK6ET835G2	6	2580*950*1600	1770
OPK275	220	275	200	250	ODK6ET885G	6	2580*1000*1600	1835
OPK350	280	350	250	313	ODK6ET1290G	6	3080*1230*1670	2760
OPK400	320	400	300	375	ODK6ET1390G	6	3080*1230*1670	2890
OPK450	360	450	320	400	ODK6ET1390G1	6	3080*1230*1670	3358
OPK500	400	500	360	450	ODK12ET2690G	12	3550*1400*2000	4195
OPK550	440	550	400	500	ODK12ET2690G1	12	3550*1400*2000	4300
OPK625	500	625	450	563	ODK12ET2790G1	12	3550*1400*2000	4387
OPK700	560	700	500	625	ODK12ET2790G2	12	3550*1400*2000	4510
OPK825	660	825	600	750	ODK12ET2790G3	12	3650*1450*2300	4880
OPK880	704	880	640	800	ODK6HT2620G	6	3900*1650*2300	5260
OPK1000	800	1000	720	900	ODK6HT2620G1	6	4400*1650*2300	5800
OPK1100	880	1100	800	1000	ODK6HT2620G2	6	4400*1650*2300	5800
OPK1250	1000	1250	900	1125	ODK6HT3600G	6	4530*2000*2500	7450
OPK1375	1100	1375	1000	1250	ODK6HT3600G1	6	4530*2000*2500	7450
OPK1650	1320	1650	1200	1500	ODK10HT5150G	10	5300*2250*2700	11000
OPK1800	1440	1800	1320	1650	ODK10HT5150G	10	5300*2250*2700	12000
OPK2200	1760	2200	1600	2000	ODK12HT6010G	12	5550*2250*2700	13000
OPK2500	2000	2500	1800	2250	ODK16HT8100G	16	5750*2250*2700	17800
OPK2750	2200	2750	2000	2500	ODK16HT8100G1	16	5750*2250*2700	23200
OPK3000	2420	3025	2200	2750	ODK20HT9580G2	20	5950*2280*2850	23100

*The above data for reference only, Orson has the right to change it without prior notice

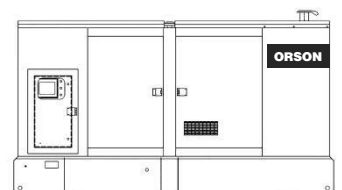


ORSON ENCLOSURE

Made of the high quality sound & weather proof material and resistant painting, makes the enclosure more reliable under various weather conditions.

- The whole body adopts plastic spraying process, excellent technology, beautiful appearance;
- Excellent air inlet and exhaust system, sufficient heat dissipation;
- Access doors on both sides of the genset for convenient maintenance and overhaul;
- Excellent overall sealing and noise reduction performance of the canopy;
- Equipped with earthing protection, emergency stop button, alarm and automatic stop system;
- Base frame is equipped with 8-hours fuel tank for daily operation;
- Compact overall structure, base frame with lifting lugs and drag holes for easy transportation and installation.

MODEL	KVA	L*W*H/mm	Kg	dBA@1m/7m	Fuel Tank
OEA50	10-22	1856*825*1415	224	80/75	120
OEB50	30-60	2396*1056*1723	336	80/75	120
OEC50	80-100	3146*1050*1850	395	85/80	270
OED50	150-200	3436*1106*1968	486	85/80	310
OEE50	220-250	3686*1256*2068	579	85/80	370
OEF50	275-300	4786*1356*2537	657	85/80	450
OEG50	350-400	4889*1356*2537	1175	85/80	600
OEH50	500-700	5300*1560*2525	1250	85/80	650



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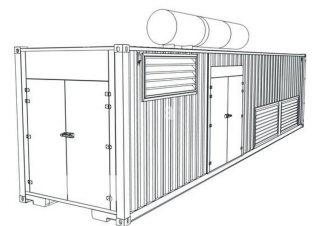
ORSON CONTAINER TYPE

Designed with serviceability and durability in mind, the container is available in two sizes and complies with noise-level standards set by EC regulations 2000/14/EC Step 2006. It also includes 4 ISO corners and pole slots for convenient shipment.

- Can be customized according to customer requirements and also be manufactured according to standard shipping containers, reducing shipping costs;
- Operating space is reserved inside the container for easy maintenance;
- Good sealing performance to ensure the normal operation of high-power genset in harsh environments;
- Equipped with explosion-proof lighting, fire extinguisher and non-slip climbing ladder outside;
- Design and production comply with international standards;
- Wide application range, can meet the requirements of different industries.

MODEL	KVA	L*W*H/mm	Kg	dBA@1m/7m	Fuel Tank
20' Con	800-1000	6058*2438*2591	3178	85/80	-
40' Con	1250-3000	12192*2560*2896	6950	85/80	-

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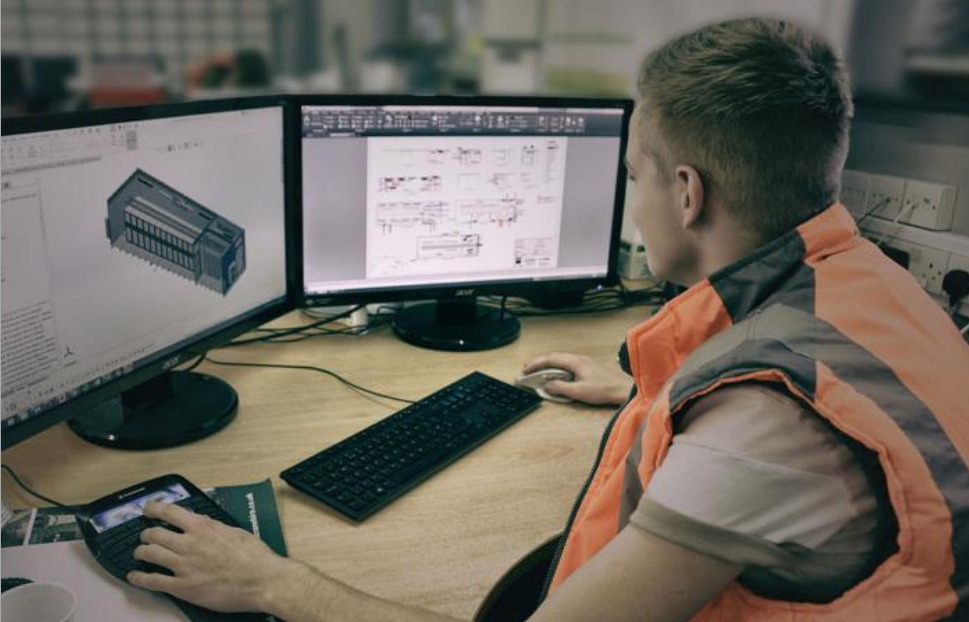
WHY
ORSON

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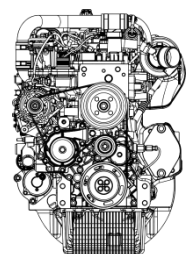


THE ORSON DIFFERENCE

- Complete Genset Solutions: Engine, alternator, and control systems are all developed under the Orson brand, ensuring seamless integration.
- Durability and Reliability: Our diesel generators are designed to withstand harsh environments and operate continuously under heavy loads.
- Fuel Efficiency: Orson generators offer optimized fuel consumption to reduce operational costs.
- Global Support: With a network of distributors and service centers worldwide, Orson guarantees fast and effective customer service.
- Sustainability Commitment: We design our gensets to be eco-friendly, with reduced emissions meeting global standards.



- High quality engineering
- Reliability and durability
- Integrated solutions from one provider
- Full range of features and accessories
- Low total cost of ownership over the life of the system
- Reliable power quality proven by strict independent testing



04

APPLICATIONS

**FOUR#
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APPLICATIONS

No matter what the application, there's one thing everyone demands from their genset and that's absolute dependability. And if we do say so ourselves, this is where Orson Power Solutions shine. Delivering good-to-go power from day one, our Genset range has been designed to provide guaranteed power under even the most punishing conditions.



AGRICULTURE

Orson generators help power irrigation systems, livestock facilities, and other essential farming equipment, supporting agriculture with reliable, off-grid energy solutions



MINING

In remote or temporary locations, Orson diesel generators provide essential power for construction sites and mining operations, ensuring equipment runs without interruption.



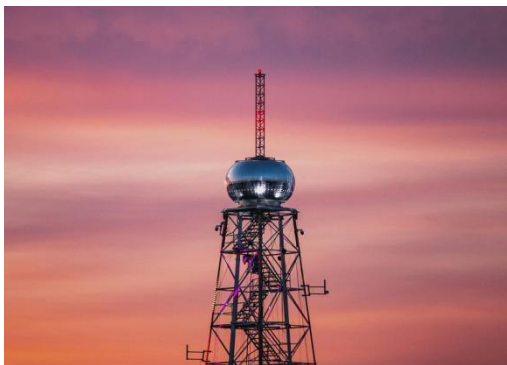
DATA CENTER

For data centers that require uninterrupted power supply, Orson generators provide dependable backup power to protect sensitive data and ensure operational continuity.



HEALTHCARE

Orson generators offer emergency power for hospitals and healthcare facilities, ensuring vital medical equipment continues to operate during power outages.



TELECOM

Telecom towers and communication hubs benefit from Orson's reliable power generators, ensuring continuous operation of critical communication infrastructure.



COMMERCIAL

Designed for large-scale commercial use, Orson generators offer continuous power supply to shopping malls, office buildings, and business complexes, supporting critical operations.

ORSON FROM UK TO THE WORLD.



- ① 3*300KVA Orson for York Hospital, in York, UK
- ② 1*1000KVA Orson for shopping mall in Forssa, Finland
- ③ 1*500KVA Orson for a factory in Newcastle, UK
- ④ 2*250KVA Orson for Vaca company in Rotterdam, Nederland.

05

CUSTOMER
SERVICE

**FIVE#
PART**



FAST AND EFFICIENT AFTER-SALES SERVICE

Orson is committed to providing comprehensive, fast, and efficient technical support throughout the life of its products. Our extensive technical assistance network ensures that our clients receive personalized and agile service, tailored to meet the specific needs of each situation.

Our after-sales service guarantees the value of your investment, offering continuous support through our large network of technical experts, authorized distributors, and service centers. We are dedicated to delivering prompt and effective solutions that maximize the performance and lifespan of Orson products.

ORSON HEADQUARTER

United Kingdom

Unit 1804 South Bank Tower, 55 Upper Ground, London, United Kingdom
info@orsonpower.com, +44 2084 323 088

SUBSIDIARIES

Vietnam

No. 05, Road No. 01, Savico Area Zone, Thu Duc City, Hochiminh city, Vietnam
vietnam@orsonpower.com

Singapore

3 Hillview Drive, Singapore 669365
sg@orsonpower.com

Italy

Zona Industriale Su Fraigu, 09032, Italy
vendite@orsonpower.com

www.orsonpower.com

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