



CONSTANT POWER SOLUTIONS



THINK MADE IN THE UK...THINK CPS

The CPS group prides itself in being a leading UK manufacturer of generators and high quality power equipment

Founded in 2013 the company's growth has excelled tremendously, **having exported to over 50 countries**, due to its ambition and philosophy of manufacturing in the UK. Based in Selby, North Yorkshire, the company has become a brand that you can trust and truly rely upon to deliver power when you need it most.

The CPS brand is **'MADE IN THE UK'**, the UK is associated with high quality and exceptional service.

This is the sole reason why CPS was founded; which is demonstrated in our products, customer dedication and service team. With flexible production lines, CPS can fully design and customize products to suit your needs. Our technical engineers can offer solutions to any power requirements that you may have. Whether you are a domestic or commercial customer, in the UK or Overseas, CPS has the solution.





With a manufacturing capacity of 5-2250kVA, you can choose mobile, open frame, soundproof generators or be-spoke container generators. Designed and manufactured for various power applications such as domestic homes, data centers, business critical systems, agriculture, mobile food outlets and various industrial applications. CPS is proud that our generators are manufactured using UK & EU components.

Did you know...

The first Diesel Generator was manufactured in the UK from the ideas of two men whose engineering education came from England (Michael Faraday and Rudolf Diesel). Manufacturers in Britain are renowned for producing high quality products that consistently exceed customer expectations.

This is why CPS is proud to be Made in the UK and proud to be Yorkshire. Producing for our customers a complete UK-built Diesel Generator with UK & EU Components.





OPEN TYPE GENERATORS

All our open type generators are designed with **the end user in mind**; for easy to use functionality, excellent service and maintenance access.

Built from thick steel, the skid base for our open type generators is robust and complete with high quality UK AVM's (anti vibration mounts). The skid base is designed and tailored to the engine and alternator, ensuring stability and a specific fit for the product. The base frame

features a large fuel tank (for models 5-690kva only) to ensure long running hours and the UK manufactured muffler considerably reduces noise levels. The design of our open type generators ensures they're suitable for installation to many applications.

Key Features

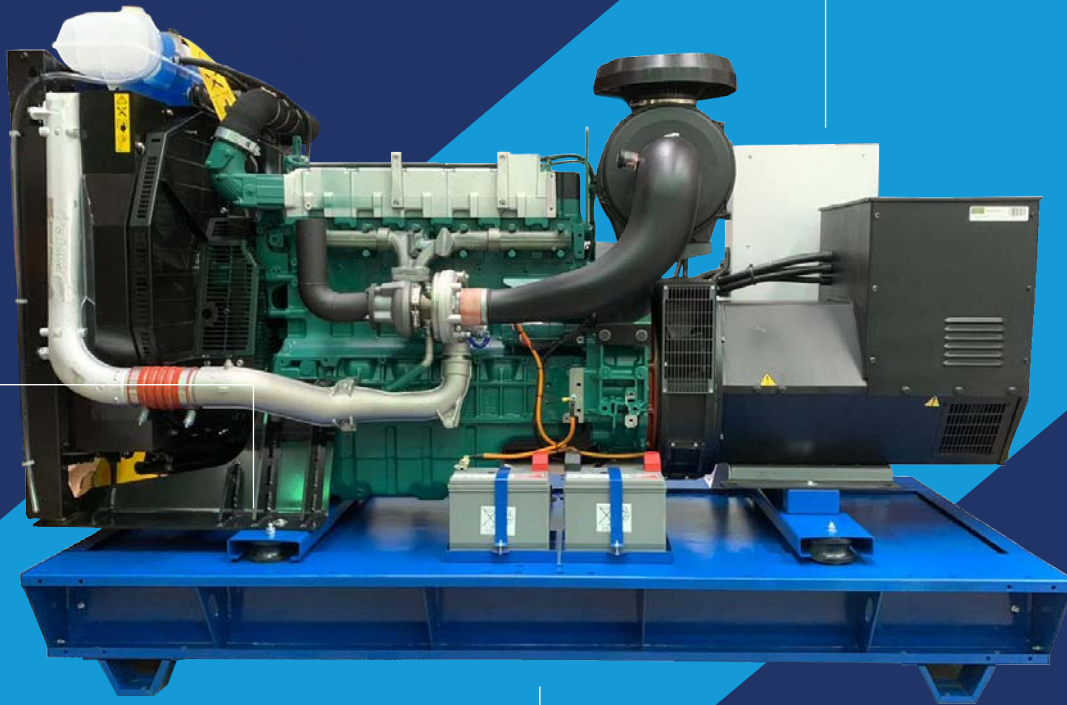
- Skid base manufactured from high grade steel
- Colour coded wiring looms (to aid maintenance)
- High quality, noise reducing silencer
- Anti vibration mounts, for the engine and alternator
- Mechanical fuel gauge for ease of checking
- Large robust fuel tank to provide a minimum of 8 hour operation time
- Easy fuel filling point
- Forklift space strong enough to support whole generator.

Features

Anti Vibration Mounts (AVM's)

Control Box & Circuit Breaker

Using Deepsea Electronic PLC Control panels DSE45XX, DSE71XX, DSE74XX and DSE86XX control panels.



50 Degree Radiator

All our Alpha series generators are provided with a 50 degree radiator as standard. These are suitable for hot climates.

*Always check with our team regarding humidity and ambient temperatures.

Base Frame & Base Fuel Tank

Our Alpha series sets (Up to 750kva) all come with an 8 hour base tank. Whilst our larger sets come with a strong robust base frame with lifting eyes on each corner for ease of transportation.

Security and Safety

- Lockable and control panel
- Emergency stop button
- Cooling fan and battery charging alternator full guarded

Made in the UK





SOUNDPROOF SETS

All our open canopies come with **the end user in mind** and are designed for easy to use functionality with excellent service and maintenance access

The canopy itself is construction from galvanized steel and fastened to the base frame and finished with a high quality powder coat. The Base frame is construction from galvanised steel, with suitable thickness; bolted by galvanised bolts containing a fuel tank with oil and excess fuel sump fitted for servicing purposes. The residential silencer and high quality soundproofing ensure the noise

levels are dramatically reduced. Our canopies ensure performance in outdoor environments. Our research and development team have designed our canopies to give our customers a generator which is easy to use and to service, as well as providing all the functions needed for a Diesel generator to power your home and business requirements.

Security, Service and Safety

- Control panel viewing window in a lockable access door
- Emergency stop push button mounted on enclosure exterior
- Internal fuel filling point and fuel gauge for safety and environmental purposes
- External Oil Sump and Fuel excess sump for servicing
- Residential exhaust muffler mounted inside the canopy

Features

Lifting Points

All our Alpha series soundproof sets come with a middle baring lifting hook as well as fork lift space under the base frame. This will allow you to use fork lift trucks or lifting equipment such as a crane to move your generator in to position.

Emergency Stop Button

Every Alpha series canopied set is supplied with an emergency stop on the outside of the canopy on the main service side. This is a major safety feature to allow you to safely shut down the generator during an emergency.

The emergency stop is situated on the control panel side of the generator, where the viewing window.



High Quality Push Button Door Locks

Not only are our Alpha series soundproof sets provided with strong durable locks. We also provide push button doors for ease of opening.

Access Door Stoppers

All Diesel generator sets need to be maintained regularly. To allow ease of maintenance we fit access door stoppers to keep your Alpha series soundproof set, doors opened whilst you safely maintain your generator.

Maintenance Access

- Large doors for easy servicing
- Radiator filling point on the roof (UK Standard)
- Colour coded wiring looms

Logistics and Transport

- Lift hooks / Forklift space strong enough to support whole generator

Made in the UK





CONTAINERISED GENERATORS

Built to last, our containerised generators are manufactured in ISO standard containers and are available in ranges of 9ft, 10ft, 20ft and 40ft.

Built into a corrugated metal container, with aluminium reinforced floor, our containerised generators are suitable for various applications. Despite its size, two doors offer ease of access for maintenance and a third door features a control module viewing window (excluding 9ft container).

Our Containerised generators can be designed and tailored to suit your specific requirements, such as combining a UPS (Uninterruptable Power Supply) and Diesel generator into one container.

Security, Service and Safety

- All doors equipped with emergency handles
- Lockable doors
- Interior and exterior emergency stop
- Interior LED lighting
- Exterior beacon light when generator is operational

Features

Durable and lockable door, featuring an interior push button mechanism.

Easy to transport forklift points and lift hooks.



Simple exterior access to the breaker, control panel and emergency stop button to ensure ease of use and safety

1 or 2 full height doors, that offer ease of access. For maintenance purposes and can be padlocked for security.

Maintenance Access

- Convenient cable entry point
- Equipped with climbing ladder for ease of servicing
- Multiple service doors
- Colour coded wiring looms

Made in the UK



AP 3 PHASE SERIES

Powered by Perkins



Alpha AP Series – 3 Phase 50hz 1500rpm										
Model Name	Prime Power		Standby Power		Engine	Alternator		Openset	Soundproof	Control Module
	kVA	kW	kVA	kW	Perkins	Mecc-Alte	Stamford			
AP7.5/S	8	6	8	6	403A-11G1	N/A	S0L1-D	✓	✓	Deepsea Electronics
AP9/S*	9	7	10	8	403A-11G1	ECP3-2S/4	S0L1-H	✓	✓	Deepsea Electronics
AP13/S	13	10	14	11	403A-15G1	ECP3-2L/4	S0L1-P	✓	✓	Deepsea Electronics
AP20/S	20	16	22	18	404A-22G1	ECP28-M/4	S0L2-G	✓	✓	Deepsea Electronics
AP30/S	30	24	33	26	1103A-33G	ECP28-VL/4	S0L2-P	✓	✓	Deepsea Electronics
AP45/S	45	36	50	40	1103A-33TG1	ECP32-2S	S1L2-N	✓	✓	Deepsea Electronics
AP60/S	60	48	66	53	1103A-33TG2	ECP32-2M	S1L2-Y	✓	✓	Deepsea Electronics
AP65/S	65	52	72	58	1104A-44TG1	ECP32-1L	UCI224F	✓	✓	Deepsea Electronics
AP80/S	80	64	88	70	1104A-44TG2	ECP32-2L	UCI224G	✓	✓	Deepsea Electronics
AP100/S	100	80	110	88	1104C-44TAG2	ECP34-2S/4	UCI274C	✓	✓	Deepsea Electronics
AP135/S	140	112	154	123	1106A-70TAG1	ECP34-2M/4	UCI274E	✓	✓	Deepsea Electronics
AP150/S	150	120	165	132	1106A-70TAG2	ECP34-1L/4	UCI274F	✓	✓	Deepsea Electronics
AP180/S	180	144	198	158	1106A-70TAG3	ECO38-1S/4	UCI274G	✓	✓	Deepsea Electronics
AP200/S	200	160	220	176	1106A-70TAG4	ECO38-2S/4	UCI274H	✓	✓	Deepsea Electronics
AP225/S	225	180	248	198	1206A-E70TTAG2	ECO38-3S/4	UCDI274J	✓	✓	Deepsea Electronics
AP250/S	250	200	275	220	1206A-E70TTAG3	ECO38-1L/4	UCDI274K	✓	✓	Deepsea Electronics
AP275/S	275	220	303	242	1506A-E88TAG4	ECO38-2L/4	S4L1D-D	✓	✓	Deepsea Electronics
AP300/S	300	240	330	264	1506A-E88TAG5	ECO38-2L/4	S4L1D-D	✓	✓	Deepsea Electronics
AP350/S	350	280	385	308	2206A-E13TAG2	ECO38-3L/4	S4L1D-E	✓	✓	Deepsea Electronics
AP400/S	400	320	440	352	2206A-E13TAG3	ECO40-1S/4	S4L1D-F	✓	✓	Deepsea Electronics
AP450/S	450	360	495	396	2506A-E15TAG1	ECO40-2S/4	S4L1D-6	✓	✓	Deepsea Electronics
AP500/S	500	400	550	440	2506A-E15TAG2	ECO40-3S/4	S5L1D-C4	✓	✓	Deepsea Electronics
AP600/S	600	480	660	528	2806A-E18TAG1A	ECO40-1.5L/4	S5L1D-E4	✓	✓	Deepsea Electronics
AP650/S	650	520	715	572	2806A-E18TAG2	ECO40-2L/4	S5L1D-F4	✓	✓	Deepsea Electronics
AP700/S	700	560	770	616	2806A-E18TTAG4	ECO40-VL/4	S5L1D-G4	✓	✓	Deepsea Electronics
AP750/S	750	600	825	660	4006-23TAG2A	ECO40-VL/4	S5L1D-H4	✓	✓	Deepsea Electronics
AP771/S	771	617	848	678	2806A-E18TTAG5	ECO43-1S/4	S6L1D-C4	✓	✓	Deepsea Electronics
AP800/S	800	640	880	704	4006-23TAG3A	ECO43-1S/4	S6L1D-C4	✓	✓	Deepsea Electronics
AP900/S	900	720	990	792	4008TAG1A	ECO43-2S/4	S6L1D-D4	✓	✓	Deepsea Electronics
AP1000/S	1000	800	1100	880	4008TAG2A	ECO43-1M/4	S6L1D-E4	✓	✓	Deepsea Electronics
AP1125/S	1125	900	1238	990	4008-30TAG3	ECO43-2M/4	S6L1D-F4	✓	✓	Deepsea Electronics
AP1250/S	1250	1000	1375	1100	4012-46TWG2A	ECO43-2L/4	S6L1D-G4	✓	✓	Deepsea Electronics
AP1350/S	1350	1080	1485	1188	4012-46TWG3A	ECO43-VL/4	S6L1D-H4	✓	✓	Deepsea Electronics
AP1500/S	1500	1200	1650	1320	4012-46TAG2A	ECO46-1S/4	PI734C	✓	✓	Deepsea Electronics
AP1710/S	1710	1368	1881	1505	4012-46TAG3A	ECO46-2S/4	PI734E	✓	✓	Deepsea Electronics
AP1850/S	1850	1480	2035	1628	4016-61TRG1	ECO46-1L/4	PI734E	✓	✓	Deepsea Electronics
AP2000/S	2000	1600	2200	1760	4016-61TRG2	ECO46-1L/4	PI734F	✓	✓	Deepsea Electronics
AP2000/S	2000	1600	2200	1760	4016TAG2A	ECO46-1L/4	PI734F	✓	✓	Deepsea Electronics
AP2250/S	2250	1800	2475	1980	4016-61TRG3	ECO46-1.5L/4	PI734H	✓	✓	Deepsea Electronics

*AP9 with Mecc Alte is 8kva prime

Emissions engines available depending on your country or regions emissions regulations

Notes: Model number AP100 = Openset, AP100S = Soundproof

Prime Power: Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.

Standby Power: Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.

Rated Power Factor: 0.80.

AC 3 PHASE SERIES

Powered by Cummins



Alpha AC Series – 3 Phase 50hz 1500rpm

Model Name	Prime Power		Standby Power		Engine	Alternator				
	kVA	kW	kVA	kW	Cummins	Mecc-Alte	Stamford	Openset	Soundproof	Control Module
AC25/S	25	20	28	22	X2.5G2	POA	S0L2P	✓	✓	Deepsea Electronics
AC33/S	33	26	36	29	X3.3G1	POA	S0L2P	✓	✓	Deepsea Electronics
AC40/S	40	32	44	35	S3.8G4	POA	S1L2N	✓	✓	Deepsea Electronics
AC50/S	50	40	55	44	S3.8G6	POA	S1L2Y	✓	✓	Deepsea Electronics
AC60/S	60	48	66	53	S3.8G7	POA	S1L2Y	✓	✓	Deepsea Electronics
AC91/S	91	73	100	80	QSB5G4	POA	UCI274C	✓	✓	Deepsea Electronics
AC100/S	100	80	110	88	QSB5G5	POA	UCI274C	✓	✓	Deepsea Electronics
AC100/S	100	80	110	88	6BTA5.9G5	POA	UCI274C	✓	✓	Deepsea Electronics
AC125/S	125	100	138	110	6BTA5.9G6	POA	UCI274E	✓	✓	Deepsea Electronics
AC160/S	160	128	176	141	6BTA5.9G7	POA	UCI274F	✓	✓	Deepsea Electronics
AC180/S	180	144	198	158	QSB7G4	POA	UCI274G	✓	✓	Deepsea Electronics
AC200/S	200	160	220	176	QSB7G5	POA	UCI274H	✓	✓	Deepsea Electronics
AC250/S	250	200	275	220	QSL9-G3	POA	UCDI274K	✓	✓	Deepsea Electronics
AC300/S	300	240	330	264	QSL9-G5	POA	S4L1D-D	✓	✓	Deepsea Electronics
AC300/S	300	240	330	264	QSL9-G7	POA	S4L1D-D	✓	✓	Deepsea Electronics
AC400/S	400	320	440	352	QSZ13G5	POA	S4L1D-F	✓	✓	Deepsea Electronics
AC400/S	400	320	440	352	QSX15G4	POA	S4L1D-F	✓	✓	Deepsea Electronics
AC450/S	450	360	495	396	QSZ13G5	POA	S4L1D-6	✓	✓	Deepsea Electronics
AC450/S	450	360	495	396	QSX15G6	POA	S4L1D-6	✓	✓	Deepsea Electronics
AC500/S	500	400	550	440	QSX15G8	POA	S5L1D-C4	✓	✓	Deepsea Electronics
AC636/S	636	509	700	560	VTA28G5	POA	S5L1D-F4	✓	✓	Deepsea Electronics
AC660/S	660	528	726	581	QSK23G5	POA	S5L1D-F4	✓	✓	Deepsea Electronics
AC800/S	800	640	880	704	QSK23G9	POA	S6L1D-C4	✓	✓	Deepsea Electronics
AC910/S	910	728	1001	801	KTA38G3	POA	S6L1D-D4	✓	✓	Deepsea Electronics
AC910/S	910	728	1001	801	QST30G5	POA	S6L1D-D4	✓	✓	Deepsea Electronics
AC1000/S	1000	800	1100	880	KTA38G5	POA	S6L1D-E4	✓	✓	Deepsea Electronics
AC1250/S	1250	1000	1375	1100	KTA50G3	POA	S6L1D-G4	✓	✓	Deepsea Electronics
AC1400/S	1400	1120	1540	1232	KTA50G8	POA	S6L1D-H4	✓	✓	Deepsea Electronics
AC1400/S	1400	1120	1540	1232	QSK50G3	POA	S6L1D-H4	✓	✓	Deepsea Electronics
AC1500/S	1500	1200	1650	1320	QSK50G4	POA	PI734C	✓	✓	Deepsea Electronics
AC1650/S	1650	1320	1815	1452	QSK50G7	POA	PI734E	✓	✓	Deepsea Electronics
AC1875/S	1875	1500	2063	1650	QSK60G3 HPI	POA	PI734E	✓	✓	Deepsea Electronics
AC2045/S	2045	1636	2250	1800	QSK60G4 HPI	POA	PI734F	✓	✓	Deepsea Electronics
AC2500/S	2500	2000	2750	2200	QSK78G9	POA	S7L1D-J4	✓	✓	Deepsea Electronics
AC2750/S	2750	2200	3025	2420	QSK78G9	POA	LVS1804S1	✓	✓	Deepsea Electronics
AC3125/S	3125	2500	3438	2750	QSK95G10	POA	LVS1804W2	✓	✓	Deepsea Electronics

Emissions engines available depending on your country or regions emissions regulations

Notes: Model number AP100 = Openset, AP100S = Soundproof

Prime Power: Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.

Standby Power: Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.

Rated Power Factor: 0.80.

AV 3 PHASE SERIES

Powered by Volvo

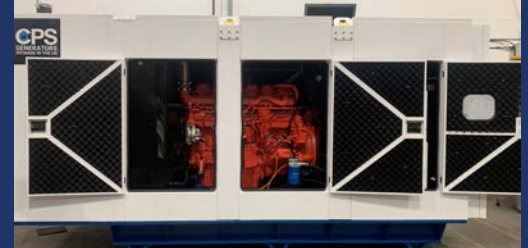


Alpha AV Series – 3 Phase 50hz 1500rpm

	Prime Power		Standby Power		Engine	Alternator				
Model Name	kVA	kW	kVA	kW	Volvo	Leroy Somer	Stamford	Openset	Soundproof	Control Module
AV100/S	100	80	110	88	TAD531GE	TAL044D	POA	✓	✓	Deepsea Electronics
AV130/S	130	104	143	114	TAD532GE	TAL044H	POA	✓	✓	Deepsea Electronics
AV150/S	150	120	165	132	TAD731GE	TAL044J	POA	✓	✓	Deepsea Electronics
AV180/S	180	144	198	158	TAD732GE	TAL044L	POA	✓	✓	Deepsea Electronics
AV200/S	200	160	220	176	TAD733GE	TAL044M	POA	✓	✓	Deepsea Electronics
AV250/S	250	200	275	220	TAD734GE	TAL049D	POA	✓	✓	Deepsea Electronics
AV300/S	300	240	330	264	TAD1341GE	TAL046F	POA	✓	✓	Deepsea Electronics
AV350/S	350	280	385	308	TAD1342GE	TAL046H	POA	✓	✓	Deepsea Electronics
AV375/S	375	300	413	330	TAD1343GE	TAL047A	POA	✓	✓	Deepsea Electronics
AV400/S	400	320	440	352	TAD 1344GE	TAL047A	POA	✓	✓	Deepsea Electronics
AV450/S	450	360	495	396	TAD1345GE	TAL047B	POA	✓	✓	Deepsea Electronics
AV500/S	500	400	550	440	TAD1641GE	TAL047C	POA	✓	✓	Deepsea Electronics
AV590/S	590	472	649	519	TAD1642GE	TAL047E	POA	✓	✓	Deepsea Electronics
AV640/S	640	512	704	563	TWD1643GE	TAL047F	POA	✓	✓	Deepsea Electronics
AV700/S	700	560	770	616	TWD1645GE	TAL049B	POA	✓	✓	Deepsea Electronics

AS 3 PHASE SERIES

Powered by Scania



Alpha AS Series – 3 Phase 50hz 1500rpm

	Prime Power		Standby Power		Engine	Alternator				
Model Name	kVA	kW	kVA	kW	Scania	Mecc-Alte	Stamford	Openset	Soundproof	Control Module
AS250/S	250	200	275	220	DC9 072A 02-11	ECO38-1L	POA	✓	✓	Deepsea Electronics
AS275/S	275	220	303	242	DC9 072A 02-12	ECO38-2L	POA	✓	✓	Deepsea Electronics
AS300/S	300	240	330	264	DC9 072A 02-13	ECO38-2L	POA	✓	✓	Deepsea Electronics
AS325/S	325	260	358	286	DC9 072A 02-14	ECO38-3L	POA	✓	✓	Deepsea Electronics
AS365/S	365	292	402	322	DC13 072A 02-11	ECO40-1S	POA	✓	✓	Deepsea Electronics
AS400/S	400	320	440	352	DC13 072A 02-12	ECO40-1S	POA	✓	✓	Deepsea Electronics
AS450/S	450	360	495	396	DC13 072A 02-13	ECO40-2S	POA	✓	✓	Deepsea Electronics
AS500/S	500	400	550	440	DC13 072A 02-14	ECO40-3S	POA	✓	✓	Deepsea Electronics
AS550/S	550	440	605	484	DC16 049A 10-28C	ECO40-1L	POA	✓	✓	Deepsea Electronics
AS600/S	600	480	660	528	DC16 078A 02-41	ECO40-1.5L	POA	✓	✓	Deepsea Electronics
AS650/S	650	520	715	572	DC16 078A 02-42	ECO40-2L	POA	✓	✓	Deepsea Electronics
AS700/S	700	560	770	616	DC16 078A 02-43	ECO40-VL	POA	✓	✓	Deepsea Electronics

Emissions engines available depending on your country or regions emissions regulations

Notes: Model number AP100 = Openset, AP100S = Soundproof

Prime Power: Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.

Standby Power: Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.

Rated Power Factor: 0.80.

AP 1 PHASE SERIES

Powered by Perkins

Alpha AP Series – 1 Phase 50hz 1500rpm										
Model Name	Prime Power		Standby Power		Engine	Alternator				
	kVA	kW	kVA	kW	Perkins	Mecc-Alte	Stamford	Openset	Soundproof	Control Module
AP7.5/S-1PH	8	6	8	6	403A-11G1	ECP3-1L/4	S0L1L	✓	✓	Deepsea Electronics
AP11.5/S-1PH	12	9	13	10	403A-15G1	ECP28-3S/4	S0L2G	✓	✓	Deepsea Electronics
AP18/S-1PH	18	14	20	16	404A-22G	ECP28-VL/4	S0L2P	✓	✓	Deepsea Electronics
AP21/S-1PH	21	17	23	18	1103A-33G	ECP32-1S/4	N/A	✓	✓	Deepsea Electronics
AP24/S-1PH	24	19	26	21	1103A-33G	N/A	S1L2-K	✓	✓	Deepsea Electronics
AP28/S-1PH	28	22	31	25	1103A-33G	ECP32-2S/4	S1L2-N	✓	✓	Deepsea Electronics
AP40/S-1PH	40	32	44	35	1103A-33TG1	ECP32-1L/4	S1L2-Y	✓	✓	Deepsea Electronics

AP-HV 3 PHASE SERIES

Powered by Perkins

Alpha AP-HV Series – 3 Phase 50hz 1500rpm											
Model Name	Prime Power		Standby Power		Engine		Alternator				
	kVA	kW	kVA	kW	Voltage	Perkins	Mecc-Alte	Stamford	Openset	Soundproof	Control Module
AP1500/S-HV	1500	1200	1650	1320	3-3.3V	4012-46TAG2A	ECO46MV-1L/4	POA	✓	✓	Deepsea Electronics
AP1650/S-HV	1650	1320	1815	1452	3-3.3V	4012-46TAG3A	ECO46MV-2L/4	POA	✓	✓	Deepsea Electronics
AP1800/S-HV	1800	1440	1980	1584	3-3.3V	4016-61TRG1	ECO46MV-3L/4	POA	✓	✓	Deepsea Electronics
AP2100/S-HV	2100	1680	2310	1848	3-3.3V	4016-61TRG3	ECO46MV-1VL/4	POA	✓	✓	Deepsea Electronics
AP1620/S-HV	1620	1296	1782	1426	6-6.6V	4012-46TAG3A	ECO46MV-1L/4	POA	✓	✓	Deepsea Electronics
AP1780/S-HV	1780	1424	1958	1566	6-6.6V	4016-61TRG1	ECO46MV-2L/4	POA	✓	✓	Deepsea Electronics
AP1940/S-HV	1940	1552	2134	1707	6-6.6V	4016-61TRG2	ECO46MV-3L/4	POA	✓	✓	Deepsea Electronics
AP1940/S-HV	1940	1552	2134	1707	6-6.6V	4016TAG2A	ECO46MV-3L/4	POA	✓	✓	Deepsea Electronics
AP2250/S-HV	2250	1800	2475	1980	6-6.6V	4016-61TRG3	ECO46MV-1VL/4	POA	✓	✓	Deepsea Electronics
AP1500/S-HV	1500	1200	1650	1320	10-12V	4012-46TAG2A	ECO46MV-1L/4	POA	✓	✓	Deepsea Electronics
AP1650/S-HV	1650	1320	1815	1452	10-12V	4012-46TAG3A	ECO46MV-2L/4	POA	✓	✓	Deepsea Electronics
AP1800/S-HV	1800	1440	1980	1584	10-12V	4016-61TRG1	ECO46MV-3L/4	POA	✓	✓	Deepsea Electronics
AP2100/S-HV	2100	1680	2310	1848	10-12V	4016-61TRG3	ECO46MV-1VL/4	POA	✓	✓	Deepsea Electronics
AP2250/S-HV	2250	1800	2475	1980	10-12V	4016-61TRG3	ECO46MV-2VL/4	POA	✓	✓	Deepsea Electronics

AC-HV 3 PHASE SERIES

Powered by Cummins

Alpha AC-HV Series – 3 Phase 50hz 1500rpm										
Model Name	Prime Power		Standby Power		Engine		Alternator			
	kVA	kW	kVA	kW	Voltage	Cummins	Mecc-Alte	Stamford	Openset	Soundproof
AC1500/S-HV	1500	1200	1650	1320	3-3.3V	QSK50G4	ECO46MV-1L/4	POA	✓	✓
AC1650/S-HV	1650	1320	1815	1452	3-3.3V	QSK50G7	ECO46MV-2L/4	POA	✓	✓
AC1800/S-HV	1800	1440	1980	1584	3-3.3V	QSK60G3 HPI	ECO46MV-3L/4	POA	✓	✓
AC2100/S-HV	2100	1680	2310	1848	3-3.3V	QSK78G9	ECO46MV-1VL/4	POA	✓	✓
AC1620/S-HV	1620	1296	1782	1426	6-6.6V	QSK50G7	ECO46MV-1L/4	POA	✓	✓
AC1780/S-HV	1780	1424	1958	1566	6-6.6V	QSK60G3 HPI	ECO46MV-2L/4	POA	✓	✓
AC1940/S-HV	1940	1552	2134	1707	6-6.6V	QSK60G4 HPI	ECO46MV-3L/4	POA	✓	✓
AC1940/S-HV	1940	1552	2134	1707	6-6.6V	QSK60G4 HPI	ECO46MV-3L/4	POA	✓	✓
AC2250/S-HV	2250	1800	2475	1980	6-6.6V	QSK78G9	ECO46MV-1VL/4	POA	✓	✓
AC1500/S-HV	1500	1200	1650	1320	10-12V	QSK50G4	ECO46MV-1L/4	POA	✓	✓
AC1650/S-HV	1650	1320	1815	1452	10-12V	QSK50G7	ECO46MV-2L/4	POA	✓	✓
AC1800/S-HV	1800	1440	1980	1584	10-12V	QSK60G3 HPI	ECO46MV-3L/4	POA	✓	✓
AC2100/S-HV	2100	1680	2310	1848	10-12V	QSK78G9	ECO46MV-1VL/4	POA	✓	✓
AC2250/S-HV	2250	1800	2475	1980	10-12V	QSK78G9	ECO46MV-2VL/4	POA	✓	✓

AP 3 PHASE SERIES 60HZ

Powered by Perkins



Alpha AP Series – 3 Phase 60hz 1800rpm										
Model Name	Prime Power		Standby Power		Engine	Alternator		Openset	Soundproof	Control Module
	kVA	kW	kVA	kW	Perkins	Mecc-Alte	Stamford			
AP11/S-60HZ	11	9	12	10	403D-11G	ECP3-1L4	SOL1-H	✓	✓	Deepsea Electronics
AP15.5/S-60HZ	16	12	17	14	403D-15G	ECP3-2L/4	SOL1-P	✓	✓	Deepsea Electronics
AP17.6/S-60HZ	18	14	19	15	404A-22G	ECP3-3L/4	SOL1-F	✓	✓	Deepsea Electronics
AP23.6/S-60HZ	23	18	25	20	404D-22G	ECP28-M/4	SOL2-M	✓	✓	Deepsea Electronics
AP27.5/S-60HZ	28	22	30	24	1103A-33G	ECP28-2L/4	SOL2-M	✓	✓	Deepsea Electronics
AP36/S-60HZ	36	29	40	32	1103A-33G	ECP28-VL/4	S1L2-J	✓	✓	Deepsea Electronics
AP56/S-60HZ	56	45	62	50	1103A-33TG1	ECP32-1M	SOL2-Y	✓	✓	Deepsea Electronics
AP70/S-60HZ	70	56	77	62	1103A-33TG2	ECP32-2M	UCI224E	✓	✓	Deepsea Electronics
AP80/S-60HZ	80	64	88	70	1104A-44TG1	ECP32-1L/4	UCI224F	✓	✓	Deepsea Electronics
AP95/S-60HZ	95	76	105	84	1104A-44TG2	ECP34-2L	UCI224G	✓	✓	Deepsea Electronics
AP117/S-60HZ	117	94	129	103	1104C-44TAG2	ECP34-2S/4	UCI274C	✓	✓	Deepsea Electronics
AP125/S-60HZ	125	100	138	110	1106A-70TG1	ECP34-1M/4	UCI274D	✓	✓	Deepsea Electronics
AP159/S-60HZ	159	127	175	140	1106A-70TG1	ECP34-2M/4	UCI274E	✓	✓	Deepsea Electronics
AP196/S-60HZ	196	157	216	173	1106A-70TAG3	ECO38-1S/4	UCI274G	✓	✓	Deepsea Electronics
AP225/S-60HZ	225	180	248	198	1206A-E70TTAG1	ECO38-2S/4	UCI274H	✓	✓	Deepsea Electronics
AP245/S-60HZ	245	196	270	216	1506A-E88TAG3	ECO38-3S/4	UCI274H	✓	✓	Deepsea Electronics
AP320/S-60HZ	320	256	352	282	1506A-E88TAG3	ECO38-2L/4	S4L1D-D	✓	✓	Deepsea Electronics
AP360/S-60HZ	360	288	396	317	2206A-E13TAG2	ECO38-2L/4	S4L1D-D	✓	✓	Deepsea Electronics
AP400/S-60HZ	400	320	440	352	2206A-E13TAG3	ECO38-3L/4	S4L1D-E	✓	✓	Deepsea Electronics
AP440/S-60HZ	440	352	484	387	2506A-E15TAG1	ECO40-1S/4	S4L1D-F	✓	✓	Deepsea Electronics
AP510/S-60HZ	510	408	561	449	2506A-E15TAG1	ECO40-2S/4	S4L1D-G	✓	✓	Deepsea Electronics
AP635/S-60HZ	635	508	699	559	2806A-E18TAG1A	ECO40-1L/4	S5L1D-E4	✓	✓	Deepsea Electronics
AP690/S-60HZ	690	552	759	607	2806A-E18TTAG4	ECO40-1.5L/4	S5L1D-E4	✓	✓	Deepsea Electronics
AP758/S-60HZ	758	606	834	667	2806A-E18TTAG5	ECO40-2L/4	S5L1D-F4	✓	✓	Deepsea Electronics
AP845/S-60HZ	845	676	930	744	4006-23TAG3A	ECO40-VL4/4	S5L1D-H4	✓	✓	Deepsea Electronics
AP875/S-60HZ	875	700	963	770	4008TAG1	ECO40-VL4/4	S6L1D-C4	✓	✓	Deepsea Electronics
AP995/S-60HZ	995	796	1095	876	4008TAG2	ECO43-2S/4	S6L1D-D4	✓	✓	Deepsea Electronics
AP1245/S-60HZ	1245	996	1370	1096	4012-46TWG2A	ECO43-1M/4	S6L1D-F4	✓	✓	Deepsea Electronics

Emissions engines available depending on your country or regions emissions regulations

Notes: Model number AP100 = Openset, AP100S = Soundproof

Prime Power: Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.

Standby Power: Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.

Rated Power Factor: 0.80.

AP 1 PHASE SERIES 60HZ

Powered by Perkins

Alpha AP Series – 1 Phase 60hz 1800rpm										
	Prime Power		Standby Power		Engine	Alternator				
Model Name	kVA	kW	kVA	kW	Perkins	Mecc-Alte	Stamford	Openset	Soundproof	Control Module
AP9.5/S-1PH-60HZ	10	8	10	8	403D-11G	N/A	SOL2-F	✓	✓	Deepsea Electronics
AP10/S-1PH-60HZ	10	8	11	9	403D-11G	ECP3-3L4	N/A	✓	✓	Deepsea Electronics
AP12/S-1PH-60HZ	12	10	13	10	403D-15G	ECP28-3S/4	N/A	✓	✓	Deepsea Electronics
AP14/S-1PH-60HZ	14	11	15	12	403D-15G	N/A	SOL2-M	✓	✓	Deepsea Electronics
AP16/S-1PH-60HZ	16	13	18	14	404A-22G2	ECP28-L/4	N/A	✓	✓	Deepsea Electronics
AP16S/s-1PH-60HZ	16	13	18	14	404A-22G2	N/A	SOL2-P	✓	✓	Deepsea Electronics
AP21/S-1PH-60HZ	21	17	23	18	404D-22G	ECP28-VL/4	N/A	✓	✓	Deepsea Electronics
AP21S-1PH-60HZ	21	17	23	18	404D-22G	N/A	S1L2-J	✓	✓	Deepsea Electronics
AP27/S-1PH-60HZ	27	22	30	24	1103A-33G	N/A	S1L2-N	✓	✓	Deepsea Electronics
AP30.5/S-1PH-60HZ	31	24	34	27	1103A-33G	ECP32-1S/4	N/A	✓	✓	Deepsea Electronics

Emissions engines available depending on your country or regions emissions regulations

Notes: Model number AP100 = Openset, AP100S = Soundproof

Prime Power: Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.

Standby Power: Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.

Rated Power Factor: 0.80.

AV 3 PHASE SERIES 60HZ

Powered by Volvo

Alpha AV Series – 3 Phase 60hz 1800rpm										
	Prime Power		Standby Power		Engine	Alternator				
Model Name	kVA	kW	kVA	kW	Volvo	Leroy Somer	Stamford	Openset	Soundproof	Control Module
AV108/S-60HZ	108	86	119	95	TAD531GE	TAL044D	POA	✓	✓	Deepsea Electronics
AV130/S-60HZ	130	104	143	114	TAD532GE	TAL044H	POA	✓	✓	Deepsea Electronics
AV159/S-60HZ	159	127	175	140	TAD731GE	TAL044J	POA	✓	✓	Deepsea Electronics
AV225/S-60HZ	225	180	248	198	TAD733GE	TAL044M	POA	✓	✓	Deepsea Electronics
AV280/S-60HZ	280	224	308	246	TAD1341GE	TAL046F	POA	✓	✓	Deepsea Electronics
AV350/S-60HZ	350	280	385	308	TAD1342GE	TAL046H	POA	✓	✓	Deepsea Electronics
AV398/S-60HZ	398	318	438	350	TAD1343GE	TAL047A	POA	✓	✓	Deepsea Electronics
AV454/S-60HZ	454	363	499	399	TAD1344GE	TAL047A	POA	✓	✓	Deepsea Electronics
AV568/S-60HZ	568	454	625	500	TAD1641GE	TAL047C	POA	✓	✓	Deepsea Electronics
AV625/S-60HZ	625	500	688	550	TAD1642GE	TAL047E	POA	✓	✓	Deepsea Electronics
AV680/S-60HZ	640	512	704	563	TWD1643GE	TAL047F	POA	✓	✓	Deepsea Electronics

Emissions engines available depending on your country or regions emissions regulations

Notes: Model number AP100 = Openset, AP100S = Soundproof

Prime Power: Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.

Standby Power: Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.

Rated Power Factor: 0.80.



MEDIUM & HIGH VOLTAGE GENERATORS

Constant Power Solutions manufacture a range of High & Medium voltage Diesel generator solutions, with a power range of 1350-4365 kva, powered by Perkins or Cummins G-Drive engines, coupled to Mecc Alte alternators. Offering a voltage range of 3-12kv for 50hz requirements and 3.6-13.8kv for 60hz requirements.

We're experts in assembling Diesel generators, ensuring our high & medium voltage generator solutions are made to match your mission-critical, standby and prime applications, and meet our high-quality standards. Ideal for blackouts, brownouts and backup applications. We can tailor a solution to suit your application, all of our generators are designed and assembled in our UK factory.

Our DSE8620 control panel provides flexible options, with a user-friendly interface. The DSE8620 controller provides multi-generator set paralleling capability (Up to 32), giving you the ability to add several Diesel generator sets to provide expanded capacity and generator set redundancy to match your requirements.

Key Features

- Power ranges from 1350-4365 kva, using Perkins or Cummins G-Drive engines
- Engines coupled to Mecc Alte alternators
- Voltage ranges from 3-12kv for 50hz or 3.6-13.8kv for 60hz
- Easy service access to internals
- Perfect for mission-critical, standby and prime applications
- Built with DSE8620 controllers providing multi-generator set paralleling capabilities

SYNCHRONIZED GENERATORS

Constant Power Solutions manufacturer synchronized sets for most, if not all applications.

Synchronizing generator to generator using a Deepsea Electronics PLC DSE8610, or synchronizing to the mains using a Deepsea Electronics PLC DSE8620 Controller. Our chosen brand and module of controller for synchronizing is the Deepsea Electronics PLC DSE86XX. To synchronize a generator, not only will you need a synchronized control panel, you will also need a voltage regulator, electronic governor and motorised breaker. You need to ensure that each generators frequency and voltage is matching, and they need to be in the correct phase angle.

Our R&D team will design the correct solution as per your single line diagram to ensure our sets work with your application. Our team are experienced in synchronizing and can help or advise to ensure you have the right controller and full set up for your application.

The DSE8610 Controller is an intelligent mono display auto-start load share control module packed with industry leading features to enhance multi-set control. The module can be synchronized with up to 32 generators within the same system. Whereas the DSE8620 is an intelligent mono display auto mains (utility) failure load share control module packed with industry leading features to enhance paralleling single gensets with a mains (utility) supply.

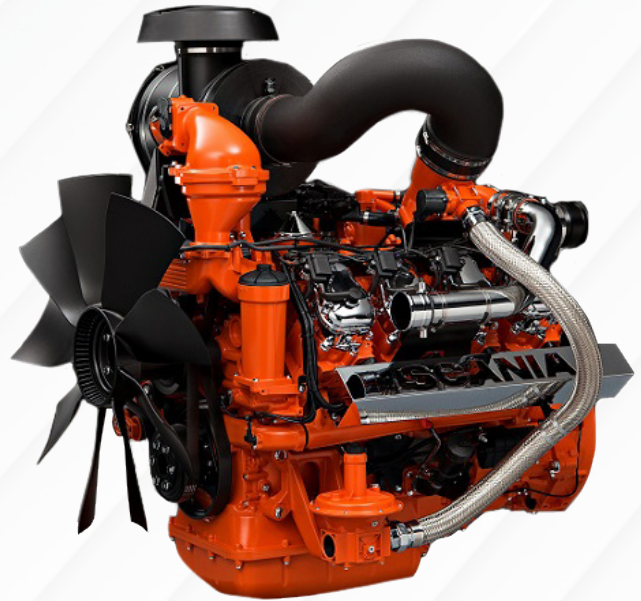
Synchronizing several generators will have several benefits depending on your application.

Some mission critical sites such as datacentres, hospitals and banks may have to main back-up power sources such as a Diesel generator and a UPS System, whereas others will have 2 generators or (N+N) as they cannot afford to have any blackouts.

Other applications may have more than one generator installed due to fluctuating loads instead of having one generator covering the constant load. During peak load you may find that the load will increase for a short time. The Sync Controller on each generator will ensure that 2 generators take the load equally and the 3rd Diesel generator will be back up in case there is any generator fault. Our team can advise you on how to finalise your synchronized solution.

Key Features

- DSE8610 controllers providing multi-generator set paralleling capabilities
- DSE8620 Synchronising & Load Sharing Auto Mains (Utility) Failure
- Perfect for mission-critical application such as Hospitals and data centres
- Allows maintenance and servicing without loss of power
- Able to sync up to 32 generators
- Solution designed to meet your application requirements



GAS SOLUTIONS

Constant Power Solutions Ltd range of LPG & Natural Gas generators can be adapted to suit the needs of your application. We offer an electric power range of 5-500kw, which are available in either open type or soundproof configurations.

Our Gas generators are suitable for prime or standby applications, they can operate in mains parallel operation mode or in standby modes. We can synchronise up to 32 Gas generators, offering a combined power solution of 16000kW!

Our CPS manufactured Gas generators are designed and manufactured using renowned engine brands such as Briggs & Stratton and Scania, coupled to Mecc Alte UK or Stamford alternators. Operated by a Deep Sea Electronics or Comap control module. The CPS Gas generators are designed for easy transportation, installation and servicing.

Key Features

- Power ranges from 5-500kw, using Briggs & Stratton and Scania engines
- Soundproof or containerised enclosure
- Generators housed in low noise level acoustic enclosures
- Easy service access to internals
- Scania spark ignited gas engines (in accordance with the Otto principle)
- Exceptional engine performance for various applications



BESPOKE SOLUTIONS

Constant Power Solutions are one of the most innovative Diesel Generator manufacturers in terms of bespoke or custom built generator solutions. Our standard Diesel Generators are designed and built to meet the needs of most applications but some applications require special consideration and are designed with this in mind.

Constant Power Solutions Ltd is an independent company which means we can sit down with our clients and their end users to build and design the best solution to meet their individual needs.

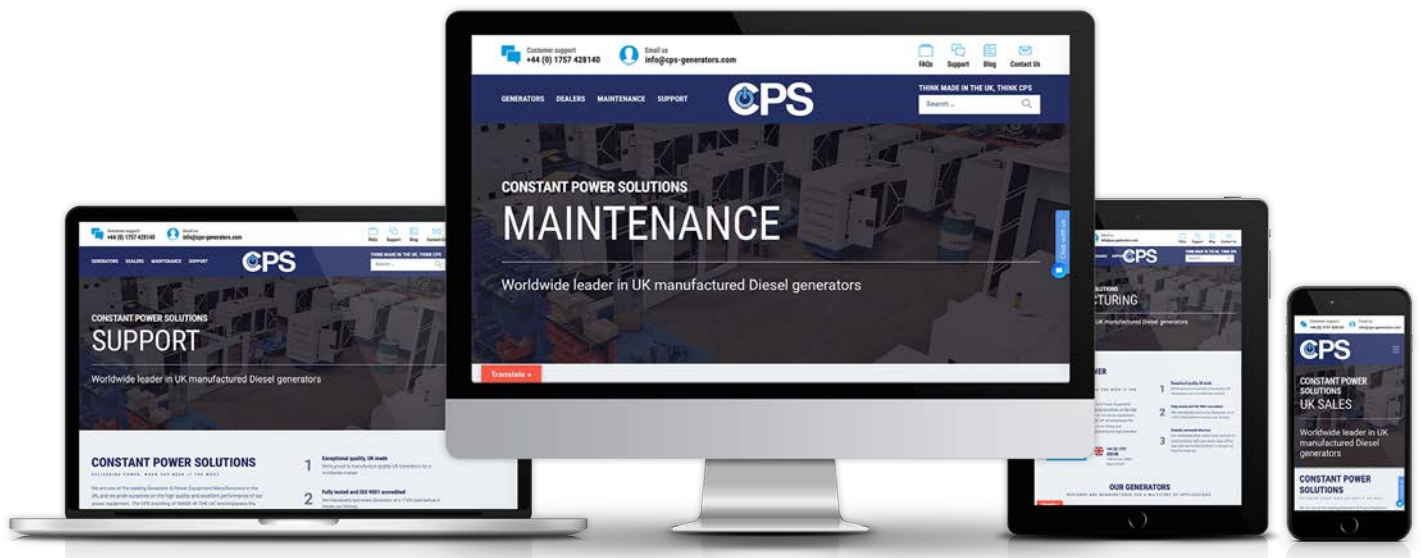
Using the latest Auto Cad software and our in house fabrication team, we can successfully assist our clients needs when designing and building a solution to their application.

Completed Bespoke Applications Include:

- Remote monitoring solutions via SMS and web base
- 24 and 48 hour integral and external fuel tank bases
- Control panel upgrades to suit specific requirements
- Tailor-made acoustic super silent canopies
- Single phase and three phase switchable options
- Synchronization and load sharing between multiple generators

VISIT OUR WEBSITES, *wherever you are*

Updates | Case studies | Brochures & Literature



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POWERMARK

Think UK Generator Parts, Think PowerMark.



After becoming one of the leading UK manufacturers of Diesel generators in the UK, CPS Generator Founder & Director Daniel Arnett noticed there was a gap in the Diesel Generator parts market. PowerMark was established with one goal in mind – to allow end-user customers the opportunity to purchase genuine Diesel generator parts at trade prices!

Here at PowerMark, we believe in focussing on the customer and ensuring that they find the correct product, at the correct price, every time. Our team have over 30 years combined experience in the power industry, and they have the knowledge, understanding and competence to guide you every step of the way.

We are firm believers in taking pride in the products which you sell, and this is why we will, and only ever will, supply UK and EU components which are of the highest standard.

We quality check every product thoroughly which leaves our warehouse and ensure our customers never receive anything less than the best.

We have gone from strength to strength in the five years since our launch and have a complete offering of Diesel generator parts – from Fuel Tanks to Automatic Transfer Switches, you won't need to look any further. In 2019 we developed our own Diesel Generator Parts Finder. Finding the correct part for your Diesel Generator has never been easier and our team do all the work for you. This fits in perfectly with our ethos of focussing on the customer and it's something we will always endeavour to do. Whatever your application, budget, location, or ambition, PowerMark has the solution.'



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