

Home Office  
SME Use  
Telecommunications  
Data Centre



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## Diesel Generator FAQs

### Part No.

### Product Description

At Adept Power Solutions we supply a comprehensive range of diesel generators either as standalone systems or as part of a larger power continuity program.

We can supply, install, commission and maintain your entire diesel generators solution, providing a combination of great service and cost effective solutions.

### What is a Diesel Generator?

Diesel generators are one of the most common forms of standby power in the world.

A diesel generator produces electricity through a combination of a diesel engine with an electric generator. The power of the diesel generator is transformed by the alternator into a usable electrical current. This reliable source of power is often used by many businesses and homes for protection against power failure.

### Do I Need a Diesel Generator?

Diesel generators are commonly used by a variety of different organisations including data centers, banks, hospitals and factories. It's vital to take action on your power back-up - no business is too big or small to have a diesel generator solution in place.

### When Should I Use a Diesel Generator?

A UPS system will provide power protection during power disturbance and blackouts, but it is not designed to deliver backup power indefinitely – if your business's critical power source must remain online, a standby generator is crucial to assist your existing UPS system.

### What Size Diesel Generator Do I Need?

The generator must have sufficient capacity and be of a size to correctly recharge the UPS batteries and cover the conversions losses of the UPS.

Generally, the maximum step load of generators falls around 65% of the total rated capacity of the generator. A generator must be sized at 172.5k or 72.5% larger than the UPS – a 100kVA UPS for example, can draw 115kVA so this size will work to accommodate the step load.

### **What Diesel Generator Services do APS Provide?**

We supply diesel generator engines from Tier one manufacturers, ensuring excellent reliability and high quality when you need it most – these include, Perkins, Cummins, Deutz, Volvo & Iveco.

### **Our Diesel Generator Solutions Include:**

- Diesel Generator Maintenance.
- Diesel Generator Installation.
- Emergency Rapid Response UK wide.
- Diesel Generator Servicing.
- Load Bank Testing.
- Diesel Generator Acoustic and weatherproof enclosures.
- Automatic mains failure panels.
- Diesel Generator Commissioning.
- Emergency fuel fill services.
- Extended fuel tanks.
- Full delivery.

### **Would You Like to Know More?**

Regardless of the simplicity or complexity of your diesel generator requirements we are confident that our professional solutions will ensure you receive the appropriate support for your critical business activities. [Contact](#) our team today!