



## Perkins Powered Diesel Generator Set



Fully Designed & Manufactured in The United Kingdom - Perkins Diesel Engine Coupled to Mecc Alte Alternator, Controlled by DSE Auto Start Digital Controller Built in to High Quality British Made Sound & Weather Proof Enclosure.

3~ | 50hz | 400V | 1500 RPM | PF 0.8

| Model | Perkins   | Mecc Alte | Deepsea  | AMPS | Prime PRP | Standby ESP | Phase |
|-------|-----------|-----------|----------|------|-----------|-------------|-------|
| PM25S | 1103A-33G | ECP28-L/4 | DSE 6120 | 36   | 25.0 kVA  | 27.5 kVA    | 3 ~   |
| PM30S | 1103A-33G | ECP28-L/4 | DSE 6120 | 43   | 30.0 kVA  | 33.0 kVA    | 3 ~   |
| PM45S | 403A-15G1 | ECP32-2S  | DSE 6120 | 65   | 45.0 kVA  | 49.5 kVA    | 3 ~   |
| PM60S | 404D-22G  | ECP28-2M  | DSE 6120 | 87   | 60.0 kVA  | 66.0 kVA    | 3 ~   |

PWRBOX power pack range of diesel generator sets are designed to power your every need. With an enhanced choice of power nodes, this range is engineered for optimum performance in diverse applications including construction, residential, retail and telecommunications. The three levels of sound attenuated enclosures offer super silent running which is ideal in residential locations.

Powered By

## Perkins Diesel Power



The PWRBOX sound attenuated enclosures reduce sound levels to comply with the stage 2 levels of the European Community Directive 2000/14/EC

| Canopy Sound Levels | 100% @ 1m | 100% @ 7m | 100% @ 15m |
|---------------------|-----------|-----------|------------|
| Levels              | 84.6 dBA  | 72.9dBA   | 66.1 dBA   |

Radio interference suppression that meets or exceeds EU standard EN61000-6. Voltage regulation at steady state.

## PWRBOX Standard Canopies default features

Our acoustic enclosures ensure optimum performance in the most remote locations. Extremely durable and robust, the galvanised enclosures are designed to resist corrosion and handling damage with the ability to withstand rough handling common on many construction sites.

Designed and developed by our specialist engineers the enclosures are available with three levels of sound performance dependant upon your site requirements. All enclosures are weather resistant and incorporate internally mounted exhaust silencers.

Dual side access is provided for fuel filter, oil filter and coolant, ensuring minimal maintenance time and maximum generator set operation. The fuel fill and gauge are positioned together on the side of the fuel tank for easy fill and monitoring. This range of enclosures offer excellent service and maintenance access. The control panel tower mounted on the side of the generator set is accessed via the dedicated door, allowing access to the control panel including all components and wiring. Side hinged doors open to 180°, the enclosure provides optimal access for all servicing and maintenance tasks.

Robust electrical components including relays, AVR and MCB's are grouped and centralised within the control panel. They are easily accessed through a lockable side hinged door. Cable access is gained directly underneath the control panel for ease of installation.

## Canopied Dimensions

| Model | Length  | Width  | Hight   | Weight  | Fuel Tank | Consumption               |
|-------|---------|--------|---------|---------|-----------|---------------------------|
| PM25S | 1718 mm | 755 mm | 1432 mm | 995 kg  | 90 Ltrs   | 5.25L Per Hour @ 75% Load |
| PM30S | 1718 mm | 755 mm | 1432 mm | 998kg   | 90 Ltrs   | 5.65L Per Hour @ 75% Load |
| PM45S | 2060 mm | 775 mm | 1544 mm | 1148 kg | 130 Ltrs  | 5.69L Per Hour @ 75% Load |
| PM60S | 2060 mm | 775 mm | 1544 mm | 1186 kg | 130 Ltrs  | 6.66L Per Hour @ 75% Load |

## Base Frame & Fuel Tank

The skid base frame provides forklift access points as standard, reducing the risk of damage during transportation and installation. Fuel tanks are offered from 8 hours running at full load in prime applications up to large 24hr extended tanks.

## Control Panel



Deep Sea digital control panel, provides simple, intuitive control of your generator set. Key information including diagnostics, is displayed via the LCD screen and LED's using universally recognised symbols.

Based on the proven UK made Perkins diesel engine, coupled to a Stamford alternator, The UK made Deep Sea series controller gives outstanding monitoring and features. Deep Sea Control modules are a “must have” feature for all segments of the generator market as it includes a wide range of configurable options and extension modules to meet every requirement.

With a huge range of options and accessories, alternative and custom builds we offer a unit to suit your requirements. Upgrade controllers for enhanced metering, remote monitoring and synchronising control. We offer synchronising systems for up to 32 generators and mains synchronising for peak lopping, no break return and STOR applications.

**Prime Rating**

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

**Standby Rating**

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

**Standard Reference Conditions**

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.

**Documentation**

Operation and maintenance manual including circuit wiring diagrams.

**Warranty**

Canopy Warranty by PWRBOX, No quibble warranty on canopy panels in first 12 months - Transportation Damage does not qualify.

Engine Warranty by Perkins International: [https://www.perkins.com/en\\_GB/aftermarket/warranty.html](https://www.perkins.com/en_GB/aftermarket/warranty.html)

Alternator Warranty by Stamford AVK Global, <https://www.stamford-avk.com/service/warranty>

Controller: Deep Sea control modules which are replaced FOC if failed within a period of 12 month.

**Together We Keep Your World Powered**



Dealer Contact Details

**Disclaimer:**

While every effort is made to maintain these specifications, in line with our policy of continuous improvement we reserve the right to change the specification without notice. If any part of this specification is critical to your application, please ensure you confirm it with your sales engineer prior to placing an order. Some items shown on this specification sheet may be non-standard. All images are for illustration purposes only, actual product might differ to digital images. Some features shown on this leaflet may be optional at additional cost. Please confirm all options required with a sales agent prior to placing an order. The PWRBOX, "PWRBOX Generators" is a trademark of PWRBOX Generators Limited. All other Logos featured are trademarks of their respective owners.

PWRBOX Generators Limited | Registered Address: Tern Valley Business Park, TF9 3SQ, United Kingdom | Email: [sales@pwrboxgenerators.com](mailto:sales@pwrboxgenerators.com) | Telephone: +44 (0)121 716 1500  
| Website: [www.pwrboxgenerators.com](http://www.pwrboxgenerators.com) | UK Company Registration No: 13312378 | VAT Registration No: 397143371