

**POWER TO MATCH
YOUR CHALLENGE.**



**CAT® NEXT GENERATION
GENERATOR SETS
BUILT FOR IT.™**

**Energy Power
Systems**



THE NO.1 ENGINE SUPPLIER IN AUSTRALIA

Energy Power Systems Australia (EPSA) is the exclusive supplier of Cat® engines, generators and power solutions in Australia, Papua New Guinea and the Solomon Islands.

Since commencing business over 20 years ago, EPSA has become the industry leader in the supply and installation of engines and generators in Australia.

WE'RE BUILT TO PROVIDE INTEGRATED SOLUTIONS FOR ALL YOUR POWER NEEDS.



A POWERFUL ADVANTAGE

We deliver you technically superior Cat products with unmatched engineering support, technical advice and after sales support through our Caterpillar® dealer network of branches, stores and workshops at over 80 locations throughout Australia, PNG and the Solomon Islands.

EPSA is a solutions provider, offering **DESIGN, ENGINEERING, PROCUREMENT** and **CONSTRUCTION** for turnkey projects of all sizes and across a broad range of applications.

EPSA delivers engineered packages best equipped to handle Australia's harshest conditions, we tailor a customised solution for you.

We better meet the needs of our customers with Cat product, engines backed up by the extensive Cat network and Cat technical expertise. This means quicker delivery times, faster response times, local people, superior sales and service, support and face to face time with your EPSA representative.

OUR NEXT GENERATION CAT[®] DIESEL GENERATOR SETS ARE BUILT WITH A RANGE OF CAPABILITIES, BUILT WITH A DURABLE DESIGN, BUILT FOR YOUR POWER DEMANDS.

Trusted to power the places that drive your business, designed to deliver reliable energy in the harshest environments. Choose prime power or standby, available in a range of configurations with a variety of optional equipment.

Every major component must pass inspections before the entire unit is tested above 100 per cent of the rated load for safety and continuity of operation. We're ensuring the products you invest in are built for the demands of your environment. And our ready-to-run packages are always backed by our expert Cat team. From a fast delivery to scheduled maintenance, we promise complete dealer support for the life of your generator set.



BUILDING YOUR GENERATOR SET WITH ADVANCED SYSTEMS

ENGINE

Reliable Cat diesel engines power generator sets that deliver industry-leading fuel efficiency and product life. Service points are positioned for safe and easy access.

GUARDS

Heavy-gauge steel guarding with access hatches to all rotating parts, including cooling fan, charging alternator and drive belts. Optional exhaust manifold and turbocharger guards are available, if required.

STARTER MOTOR, ALTERNATOR, BATTERIES AND CABLES

All generator sets can include industry-leading, high-capacity, maintenance-free batteries, battery rack and heavy-duty interconnecting cables with terminations.

VIBRATION ISOLATORS

Rubber pad anti-vibration mountings isolating the tank base and control tower from engine/generator assembly can be provided.

SKID BASE with optional TANK BASE

Optional tank base incorporates enhanced lifting and mounting points. Anti-vibration pads affixed between the engine/generator feet and base isolate rotating parts. Optional dual wall steel tank base for total fluid containment is available with enclosed sets and an optional narrow skid base is available for most open sets.

WIRING

The loom terminates at the control panel with an industrial-grade multi-pin connector. Mechanically held plug and socket attachments facilitate fast, convenient inspection and replacement of systems. Looms are “keyed” to prevent incorrect installation.



A COMBINATION OF ADVANCEMENTS IN ELECTRONICS, AIR MANAGEMENT AND FUEL DELIVERY GIVES YOU THE ENGINE PERFORMANCE THAT YOUR APPLICATION DEMANDS.



GENERATOR/ALTERNATOR

Advanced Cat self-exciting, self-regulating brushless generators are built for extended, dependable life. Features include fully interconnected damper windings, cooling systems, sealed bearings, Class H insulation and 2/3 pitch with THF <2% and TIF <50.

FILTERS

Disposable air filter, optional canister type with single or dual element. All air filters incorporate a service indicator. Oil and fuel filters are replaceable canister-type.

CONTROL PANEL

Standard EMCP4.2 control panel is fully equipped with all necessary engine gauges, AC meters and warnings.

Paralleling and synchronising options are available.

OPTIONAL CIRCUIT BREAKERS

Three and four pole circuit breakers available, housed in vibration-isolated sheet steel enclosure, with removable cover plate, mounted integrally with generator set. Oversized electrical stub-up area is located directly below circuit breaker and can be terminated both vertically and horizontally.

VOLTAGE REGULATOR

Improved load acceptance with R450. Fully sealed regulator accurately maintains load voltage at +0.5 per cent from no load to full load.

THE RIGHT TECHNOLOGY WITH THE RIGHT SUPPORT

**CAT generator sets
- a sleek design with
superior functionality.**

**Built compactly and
self-contained, they
are even easier to
own and operate.**

RUNNING TIME

When supplied our redesigned fuel tank typically gives you eight hours of performance at 100 per cent of the rated load in prime applications.

ADVANCED DESIGN

We've made it easier to upgrade our generator sets with smaller, segmented modular power and control systems. We use pre-formed braided copper connections, standard length alternator and breaker options, and have given you flexibility on where to mount your breaker box.

Our tower features a removable top section, the Automatic Voltage Regulatory (AVR) is in the lower section for easy adjusting, and all Mate-n-Lock connections are standard.

STANDARD AND OPTIONAL FEATURES*

- Engine lubricating oil
- Antifreeze/corrosion inhibitor coolant fill
- Steel tank base with drip tray, lifting and dragging points
- Vibration isolators between engine/generator mounts and tank base
- Battery charging alternator
- Enlarged battery rack and cables, installed on tank base
- 3- and 4-pole 100 per cent rated, IEC compliant circuit breaker
- Optional motorised circuit breaker available
- EMCP4.1 - 4.2 panel
- Factory tested to full load specifications
- Full protective guarding with access hatches
- Set-mounted radiators available on most models
- Enclosures, high ambient and sound-attenuated, with common key
- Static battery chargers
- Jacket water heater
- Engine lubricating oil drain pump
- Exhaust silencer
- Higher-level exhaust silencers
- Generator anti-condensation heater
- Generator excitation: permanent magnet
- Control systems, remote monitoring, digital metering, multiple alarms/shut-downs, auto-start to utility
- Remote annunciators (EMCP4.2 required)
- Remote monitoring and control
- Power terminal strips
- Coastal insulation protection
- Cat digital voltage regulator
- High ambient rated radiators

*Not all features and options listed

STANDBY POWER

A turnkey Cat power system from EPSA means smooth, worry-free standby power for your business, factory, mine site, hospital or data centre. We'll recommend a reliable engine/generator combination that best fits your application. Every package is subject to rigorous pre-installation testing at the Caterpillar factory and at EPSA facilities.

OLYMPIAN

Olympian™ generators are part of the complete line of electric power generation products offered by Caterpillar. Olympian generator sets are designed, engineered and manufactured for optimal performance at an ISO 9001 Caterpillar facility. Our Olympian generator sets deliver dependable, clean, economical power - even in the most demanding conditions.

Olympian generator sets are available in 50 Hz ratings for:

- Prime and Standby applications
- 3-Phase and Single Phase output models
- Open Gensets or Sound Attenuated Enclosures
- Continuous Power Module (CPM) comprising diesel generator, flywheel UPS and ATS

Continuous Power Module (CPM)

EPSA offers a containerised power package to meet the toughest demands. The Continuous Power Module includes a UPS, Generator and Switchgear within an ISO container. Ideal for those who require seamless continuous power but have limited space or need to use their space more effectively or would like to move their power outdoors.

The CPM can be delivered in both standard and customised configurations. The CPM is fully factory tested offering 'plug & play' installation making it ideal for those looking to get up and running quickly. Substantial upfront savings, high efficiency, low maintenance and low running costs keep your Total Cost of Ownership (TCO) down.



MODEL 3406

STANDBY	300 – 400 kVA
PRIME	275 – 365 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL C13

STANDBY	400 – 450 kVA
PRIME	350 – 400 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL C15

STANDBY	400 – 550 kVA
PRIME	365 – 500 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL C18

STANDBY	605 – 700 kVA
PRIME	550 – 635 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL 3412C

STANDBY	750 – 900 kVA
PRIME	680 – 810 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL C32

STANDBY	1100 – 1250 kVA
PRIME	1000 – 1100 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC Low Emissions
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL 3512

STANDBY	1250 – 1875 kVA
PRIME	1150 – 1700 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC Low Emissions
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL 3516

STANDBY	2000 – 2750 kVA
PRIME	1825 – 2500 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC Low Emissions
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Electronic Unit Injection (EUI)



MODEL C175

STANDBY	3000 – 4000 kVA*
PRIME	2725 – 3600 kVA
CONTINUOUS	
CONFIGURATION	Low BSFC Low Emissions
GENERATOR SET CONTROLS	EMCP 4.2 Optional Controller Available
FUEL SYSTEM	Common Rail

* Remote cooling package available

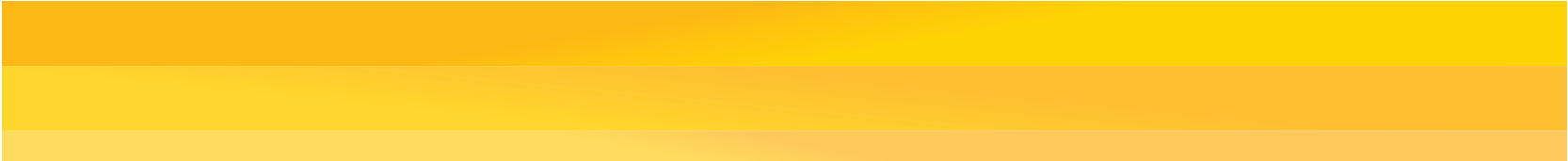
SUPPORT ANYTIME, ANYWHERE.

The reliable power produced by Cat generator sets is matched only by the power that supports them.

Caterpillar is your guarantee of ongoing performance, dependability, reliability and efficiency.

EPSA's network of offices across Australia and PNG delivers you technically superior Cat engines with unmatched engineering support, technical advice and after sales support.

EPSA, supplying Australia with the world's best power systems.



When it comes to support, your Cat dealer is never far away.

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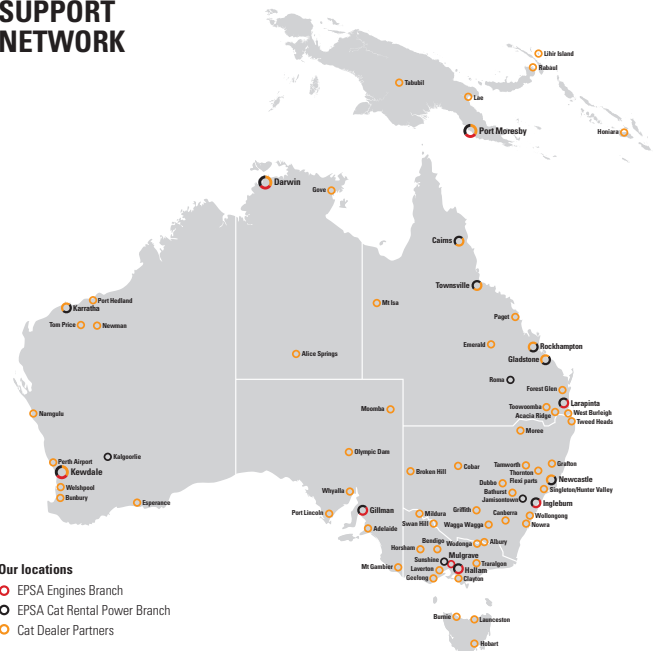
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SUPPORT NETWORK



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