



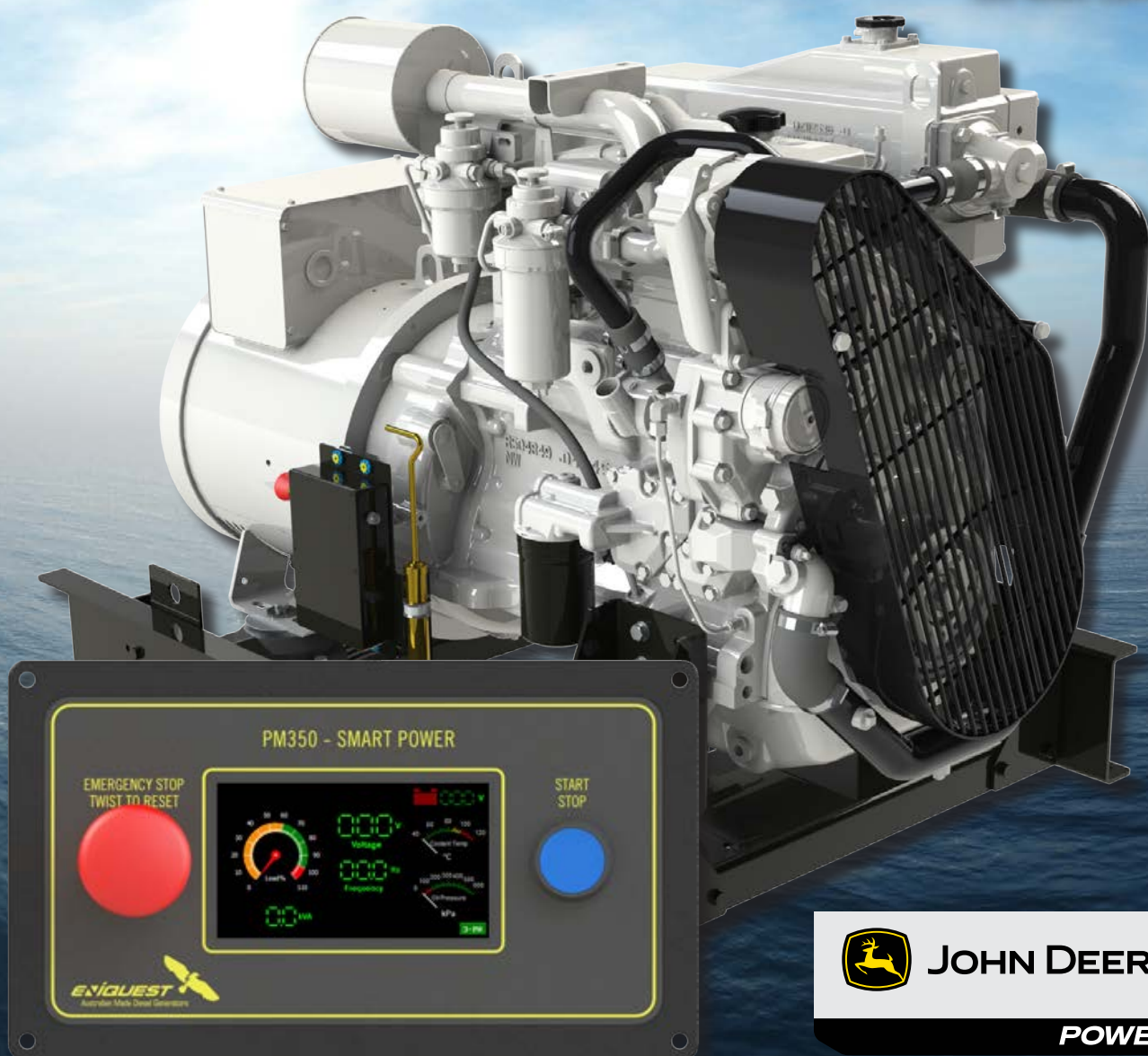
ENIQUEST
AUSTRALIAN MADE DIESEL GENERATORS



CRUISE 2 SERIES

45 - 100 kVA AC DIESEL GENERATORS

ISO 9001 CERTIFIED



JOHN DEERE

POWER

Worlds Best Mid-Size Marine Diesel Generator

Extremely Compact | Premium Quality | Heavy Duty Fresh Water Cooled | Highly Efficient
Specifically developed and built for marine applications

Here at Eniqest, we have experience in some of the most engineering challenging designs that any generator company has had to endure. We are well known for our ability to adapt and create a product tailored to suit a customers needs.

Originally called Watts2C back in 2004, the brand changed to Eniqest in 2011 when we diversified our product range. Don Pulver the director of Eniqest has been in the power generation business for over 40 years. Don's vision was to build high quality generators that are reliable and will last a lifetime. His dedication to all things Australian made has been the key to the success of the Eniqest brand, and is a testament to our success today. In a country that manufactures very little thanks to cheaper imports, its a passion that still stands everyday, that is manufacturing high quality products, built Aussie tough, keeping locals employed and a generator made to last.

With our popularity increasing over the years in particular with agriculture, emergency services and defence, we have grown rapidly over the last 5 years. This expansion has cemented our position in the market as we continue being the preferred supplier to defence and being able to service and maintain our generators in the many years to come.



There are many different reasons why customers choose Eniqest, these reasons are outlined below:

- We design and manufacture our generators in Australia, none of the generators we sell are imported.
- Our generators are fitted with only the highest quality components, most parts sourced from Australia.
- The engines used are high quality engines such as Yanmar and John Deere. They are known to be virtually bulletproof, simple, and easy to source service parts for.
- Our DC alternators are built here at our facility, a compact permanent magnet design, and the only company building these in Australia.
- We make some of the most compact and lightweight generators on the market, using the most efficient and small footprint alternators.
- The controllers used on the generators designed by us, made locally in Brisbane. They are a simple yet effective controller that will withstand the harshest conditions, with some meeting MIL Specs.
- Our designs are based on the theory of "keeping it simple" removing the need for complicated electronics that lead to unwanted failures and making a product that lasts.
- A multi-award winning company for design innovation.
- Our generators are proven to be some of the most reliable on the market, a main reason why we supply so many generators for defence.



Watch Our Video

GENERATOR APPLICATIONS

Built Aussie tough, our generators are made to suit any application no matter what. Enquest is well known for our ability to manufacture military grade generators, and we pass some of that knowledge and engineering into our marine range of generators. Below are just some of the categories our Cruise generators thrive in:



COMMERCIAL

Serve as the main or backup power source for a wide range of onboard systems. Essential for powering essential systems like navigation, communication, and safety equipment. Provide electricity for cargo handling, refrigeration, and other operational needs. Typically used for Work boats, Tugs, Fishing Boats, Ferries, Barges and more.

RECREATIONAL

Provide power for amenities like air conditioning, refrigeration, entertainment systems, and water systems. Essential for powering navigation and communication equipment. Offer a reliable source of electricity when offshore or away from shore power. Used on boats such as Cruisers, Catamarans and Yachts.



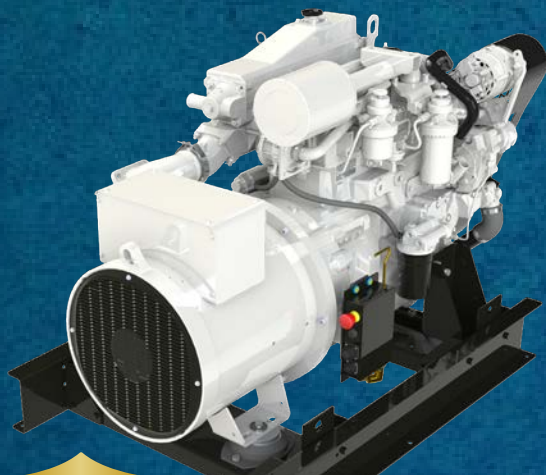
ELECTRIC PROPULSION BACKUP

Serves as a crucial backup for electric propulsion motors, especially in situations where batteries cannot provide sufficient power or when a reliable energy source is needed for extended periods. It ensures continuous operation, especially during long passages or in adverse weather conditions, and allows for charging batteries when shore power or renewable energy sources are unavailable. It is an essential component of an electric propulsion system, providing reliable backup power.



ABOUT THE CRUISE 2 SERIES

The Cruise AC range of diesel generators are designed and hand built in Queensland using locally sourced components. It has been developed specifically for the marine sector, with components pre-treated against the harsh salt air environments. Using a premium MeccAlte alternator, that's compact allows us to produce high quality power in a compact package. Combined with the world renowned John Deere Marine Diesel Engine, you can trust that the Cruise generator range will deliver dependable power all year round.

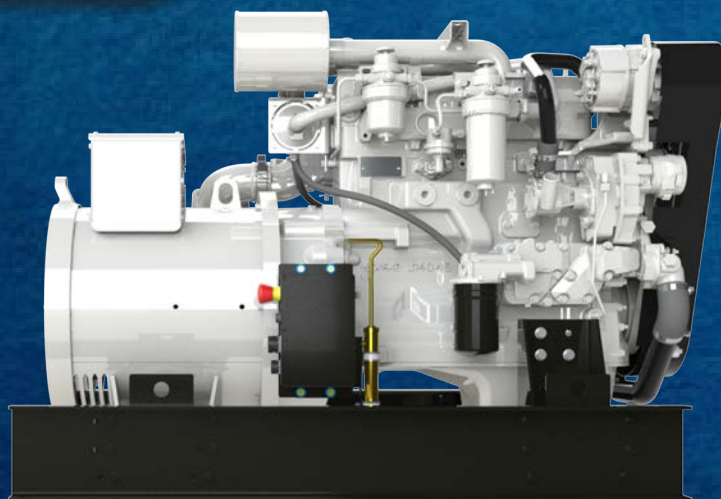


**2 YEARS / 2000 HOURS
WARRANTY**

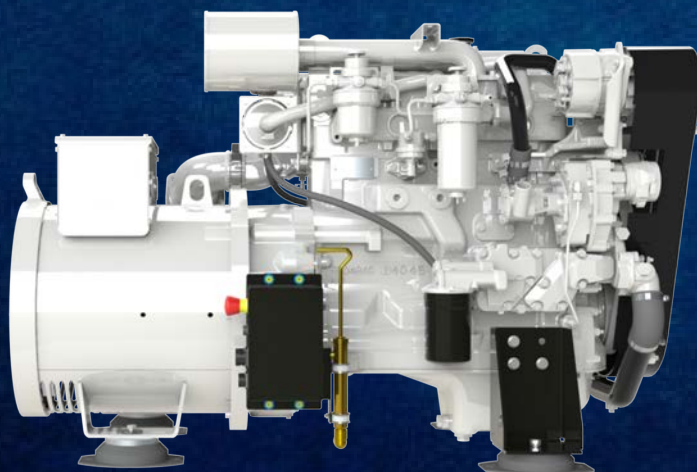
FEATURES

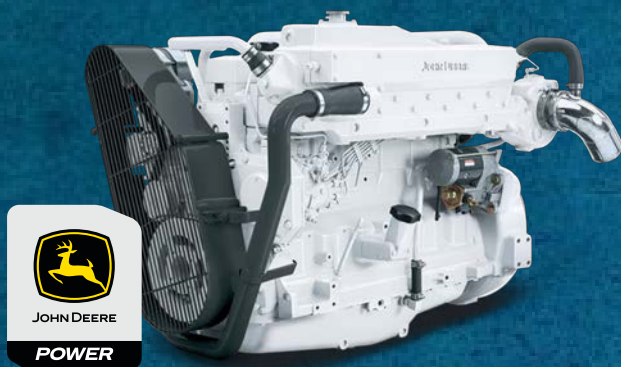
- Zinc rich primed & powdercoated removable steel base frame with lifting points
- High quality components
- All service points from one side
- World renowned John Deere Marine engine
- Compact oversized MeccAlte alternator
- Australian designed and made including the generator controller
- Rubber anti-vibration mounts
- Removable base frame design
- 2 Years 2000 hours warranty

With Base Frame



Base Frame Removed





Marinized John Deere Engine

The Cruise 450 - 1000 range of Diesel Generators uses the world renowned John Deere factory assembled marine diesel engines. These are as powerful and reliable in the water as they are on land, and share the same reputation for performance and reliability as the industrial and agricultural counterparts.

These engines are known for being bulletproof and cheap to run. It's a no-brainer decision to use these engines to deliver reliable power wherever and whenever.

Quality MeccAlte Compact Alternator

MeccAlte has been the industry leading brand for alternators globally, and is recognised for their ability to manufacture high quality and reliable alternators. A brand that has been in business for almost 80 years, their expertise, resilience and global presence is one of the reasons why we chose to use these alternators.

The NPE range of alternators is unique in the market for their ability to produce a great amount of power in a compact enclosure, making sure to not have any effects on performance or reliability. They share the same technology as their traditional range of alternators and offer a weight reduction saving that's beneficial for load carrying restrictions.

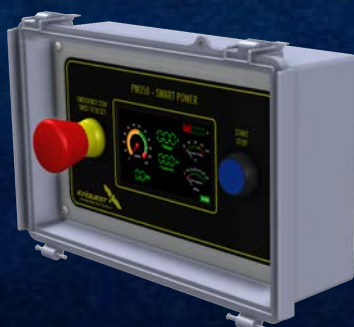
Being for marine use, the alternator windings are coated for protection from the elements, and the alternator housing has been painted in a thick coating to protect from corrosion. This improves longevity when operating in salt laden environments.



Eniquest PM350 Controller

This is the game changer for the industry. Our latest Australian designed and assembled generator controller allows the user to operate their generator anywhere on the vessel. The engine control unit (ECU) is mounted directly to the engine with anti-vibration mounts and allows for multiple display command controllers to be connected. Meaning, you can have one in the engine room with the generator, another on the deck and even a third in the cockpit.

The OLED touchscreen display features a series of information readouts for monitoring the output of your generator. A graphical display will show you information on the Oil Pressure, Water Temperature, Generator Voltage Output, Load %, Engine Speed, System Voltage and more. Any faults will be displayed in text and is a really easy to use system.



Operation is as simple as a push button start and stop, with an E-Stop switch on every display panel as well as directly on the generator for added safety. Available in a waterproof enclosure for wall mounting or can be mounted in a control panel or flush mount to a wall. The enclosed display is supplied as standard, with a 3.0 Metre connection loom.



STANDARD SPECIFICATIONS

Model	Cruise 450	Cruise 650	Cruise 1000
Continuous Output	45kVA	65kVA	100kVA
Current @ 0.8pf	65A/Phase	94A/Phase	140A/Phase
Voltage	400/230V 50Hz Three Phase		
Power Connection	Hardwire to Terminal Box (No MCB Included)		
Engine Make	John Deere Factory Assembled, Mechanically Governed Marine Engine		
Engine Model	4045DFM70	4045TFM50	6068TFM50
Engine Displacement	4.5L, 4 Cylinder	4.5L, 4 Cylinder	6.8L, 6 Cylinder
Aspiration	Non-Turbo	Turbocharged	Turbocharged
Engine RPM	1500 rpm		
Fuel Type	Automotive Diesel		
Fuel Consumption (75% Load)	7.8 Litres Per Hour	10.6 Litres Per Hour	18.9 Litres Per Hour
Cooling	Heat Exchanger or Keel Cooling		
Sea Water Pump Flow	68 Litres Per Minute	68 Litres Per Minute	68 Litres Per Minute
Maximum Suction Lift	3 Metres		
Oil Type	15W40 API:CK4 in -15°C to +50°C conditions		
Coolant Type	John Deere Cool-Gard II meeting ASTM D6210 Specifications		
Charging System	24V (No Onboard Battery)		
Service Intervals	250 Hours		
Alternator Model	MeccAlte NPE34 1S4C	MeccAlte NPE34 2M4C	MeccAlte NPE38 1S4C
Alternator Type	4 Pole, 12 Wire, Brushless, Class H Insulation		
Voltage Control	DSR Digital AVR, Accuracy within $\pm 1\%$		
Alternator Efficiency	89%	90%	90%
THD %	<2%	<2%	<2%
Controller	Enquest PM350 with Engine Protection, Remote Monitoring with Panel Mount Touchscreen, Remote E-Stop		
Monitoring	Oil Pressure, Coolant Temperature, Frequency, AC Voltage, Charging Voltage, Engine Load		
Other Features	OLED Touchscreen Display with Multiple Display Connections, (CANBUS not supported)		
Dimensions (LxWxH)	1425 x 900 x 1005	1435 x 900 x 1005	1675 x 910 x 1015
Weight	745 kg	828 kg	1155 kg
Warranty	2 Years 2000 Hours Warranty		



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