

High Output Alternators

42i Series | Sailboat/secondary mount

Dependable, High-Power Solutions

APS 42i Series alternators provide stable, 12- and 24-volt output current to power the on-vehicle equipment you need to get the job done.

Commonly used with marine applications, or in the secondary bracket position for standard vehicles, APS 42i Series alternators also can provide a flexible, lightweight solution for direct replacement on large trucks, buses and other large vehicles.

Key Features

- More compact and lightweight than other large-case alternators
- High efficiency: Consumes less fuel and requires less power from the engine
- Dual internal fans maximize airflow and cooling
- Internal/external regulator interface
- Rugged design

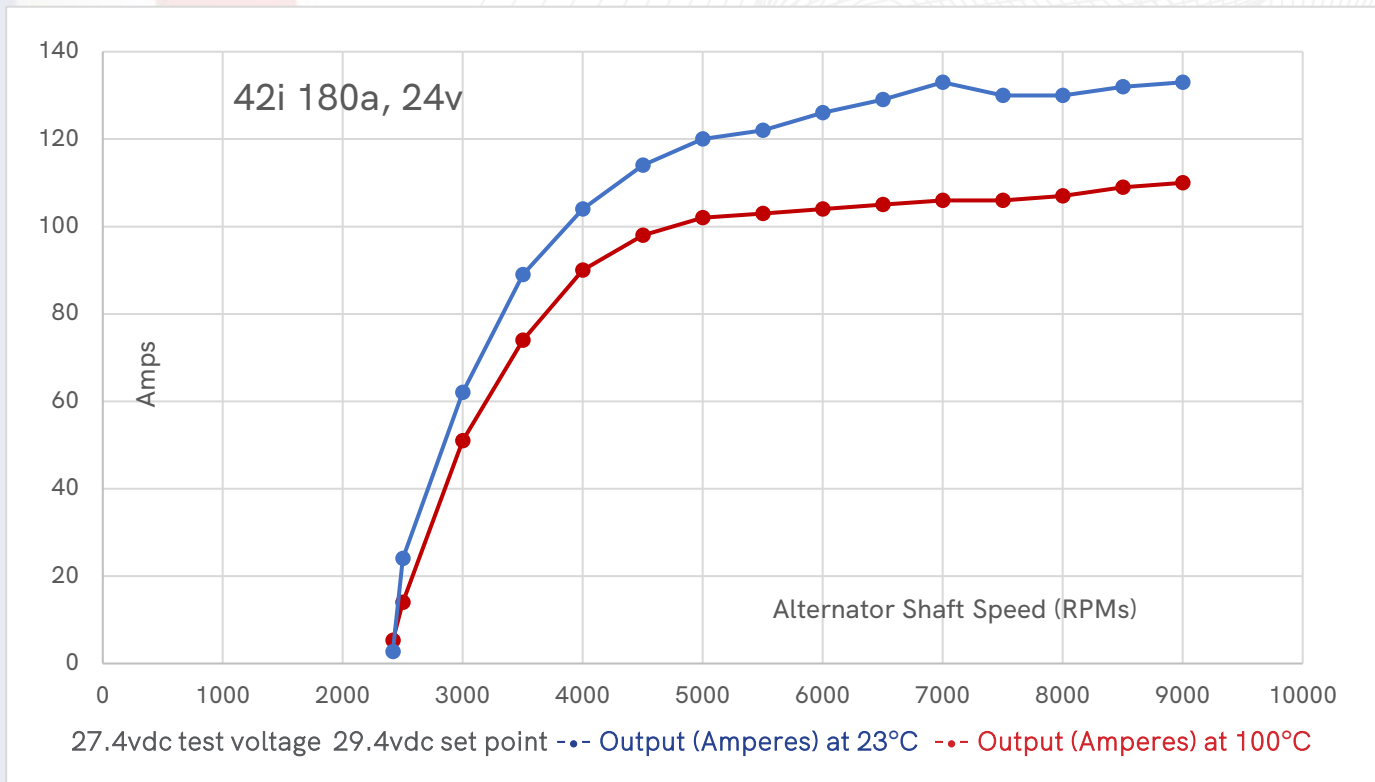
Unique Qualities

- Ability to parallel more than one alternator for additional clean, regulated DC power
- Testing conditions completed at 23C ambient and 100C in a hot box to more closely simulate real-world use



HIGH OUTPUT ALTERNATORS

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Testing conditions completed at 23°C ambient and 100°C in a hot box.

ELECTRICAL SPECIFICATIONS

Output Rating at 100°C	14/104 27.4
Output at 2500 RPMs	14 amps
Output at 6000 RPMs	104 amps
Tested at voltage	27.4V
Regulator Interface	External
Efficiency at 23°C	70% typical
Isolated Ground	NO
Brushed/Brushless	Brushed

MECHANICAL SPECIFICATIONS

Mounting Type	J180 or Pad
Rotation	CW
Housing Material	Cast aluminum bare
Positive Connection	5/16" - 18
Negative Connection	N/A
Shaft Diameter	22.225mm
Pulley	Per application
Weight	8kg typical



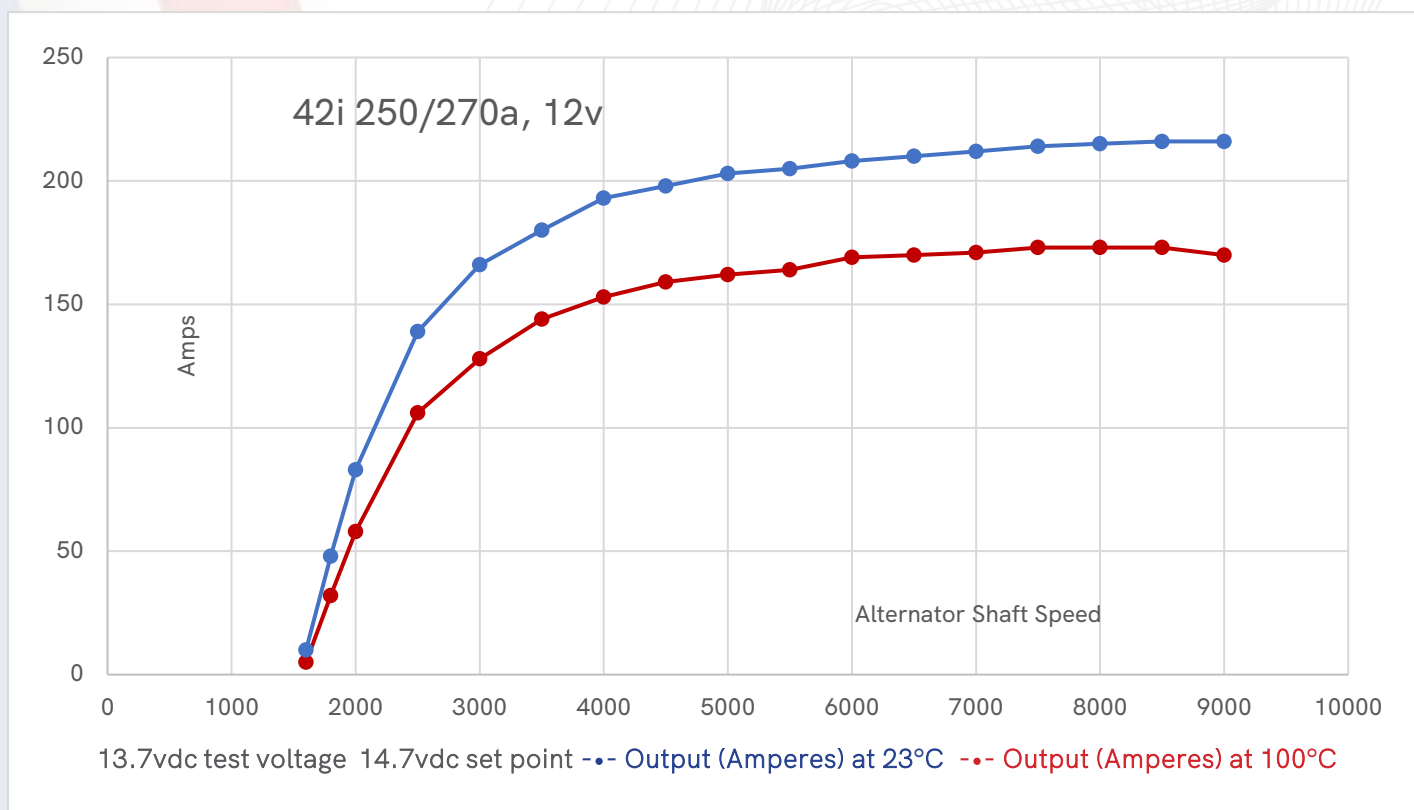
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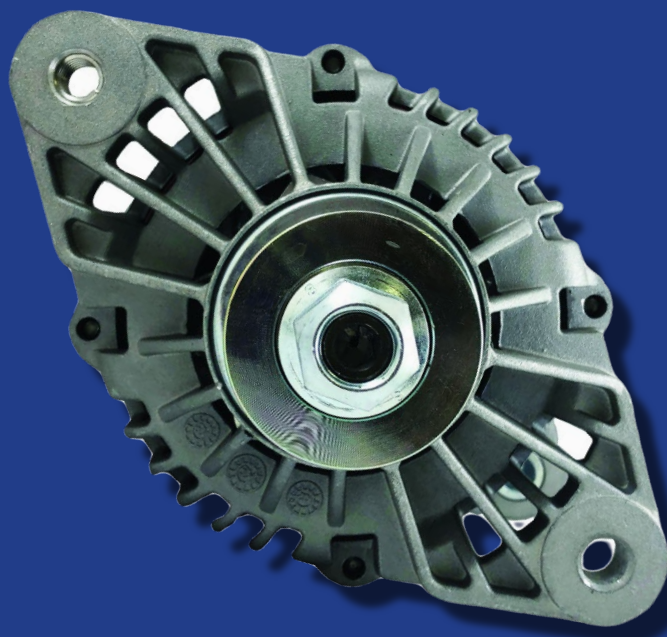
Testing conditions completed at 23°C ambient and 100°C in a hot box.

ELECTRICAL SPECIFICATIONS

Output Rating at 100°C	5/169 13.7
Output at 1600 RPMs	5 amps
Output at 6000 RPMs	169 amps
Tested at voltage	13.7V
Regulator Interface	Internal (ignition excitation)
Efficiency at 23°C	70% typical
Isolated Ground	NO
Brushed/Brushless	Brushed

MECHANICAL SPECIFICATIONS

Mounting Type	J180 or Pad
Rotation	CW
Housing Material	Cast aluminum bare
Positive Connection	5/16" - 18 (both mounts)
Negative Connection	N/A
Shaft Diameter	22.225mm
Pulley	Per application
Weight	8kg typical



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