

# High Output Alternators

60/90 HPI Series | Secondary mount alternator

## Dependable, High-Power Solutions

APS 60/90 HPI Series alternators provide stable output current for nominal 48VDC to power the on-vehicle equipment you need to get the job done.

Available for diverse applications in the secondary alternator position with APS bracketry, the 60/90 HPI Series also is used in conjunction with lithium-ion battery storage, which can integrate with virtually any vehicle.

## Key Features

- Lower turn-on RPM to begin charging faster, even at idle
- Small slip-ring diameter prevents wear and increases life
- High efficiency: Consumes less fuel and requires less power from the engine
- Quick battery charging
- Compact, lightweight design creates less drag and leaves more space in the engine compartment
- Rugged design

## Unique Qualities

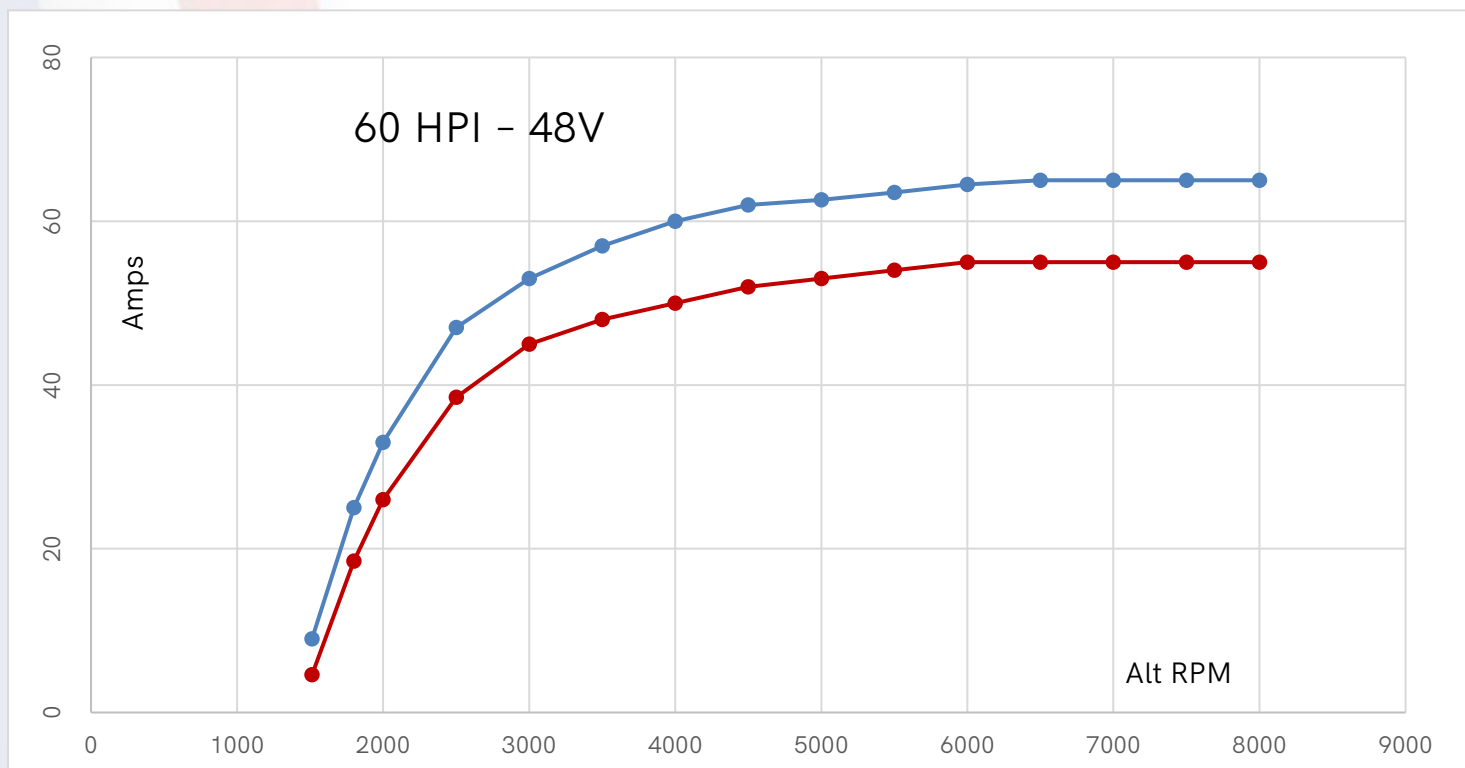
- Ability to parallel more than one alternator
- Custom drive systems for nearly any application
- Testing conditions completed at 23C ambient and 100C in a hot box to more closely simulate real-world use



**AMERICAN  
POWER  
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# HIGH OUTPUT ALTERNATORS

SERIES 60/90 HPI | Secondary mount alternator



53.3vdc test voltage 57.3vdc set point -.- Output (Amperes) at 23°C -- Output (Amperes) at 100°C  
Testing conditions completed at 23°C ambient and 100°C in a hot box.

## ELECTRICAL SPECIFICATIONS

Output Rating at 100°C	4.6/55 53.3V
Output at 1513 RPM	4.6 amps
Output at 8000 RPM	55 amps
Tested at Voltage	53.3V
Regulator Interface	External
Efficiency at 23°C	N/A
Isolated Ground	NO
Brushed/Brushless	Brushed

## MECHANICAL SPECIFICATIONS

Mounting Types	N62/GM
Rotation	CW
Housing Material	Cast aluminum bare
Positive Connection	M8 X 1.25
Negative Connection	Case ground
Shaft Diameter	17mm
Pulley	Per application
Weight	7.0kg typical

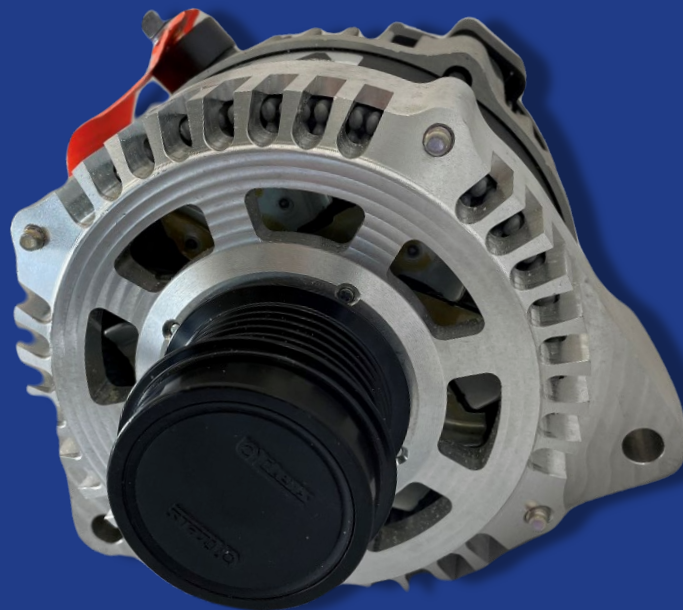


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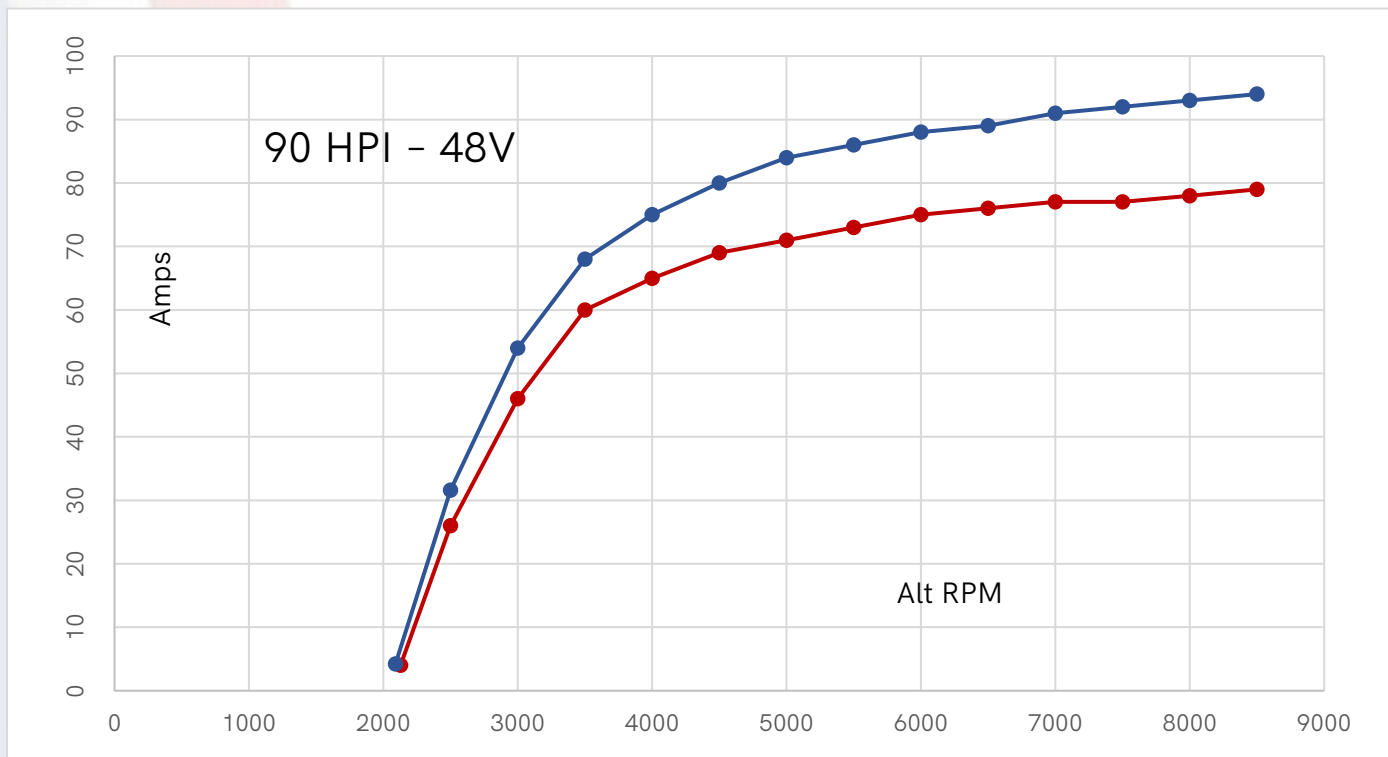
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# HIGH OUTPUT ALTERNATORS

SERIES 60/90 HPI | Secondary mount alternator



53.8vdc test voltage 57.8vdc set point -- Output (Amperes) at 23°C -- Output (Amperes) at 100°C

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

## ELECTRICAL SPECIFICATIONS

Output Rating at 100°C 4/79 53.8V

Output at 2128 RPM 4 amps

Output at 8500 RPM 79 amps

Tested at Voltage 53.8V

Regulator Interface External

Efficiency at 23°C N/A

Isolated Ground NO

Brushed/Brushless Brushed

## MECHANICAL SPECIFICATIONS

Mounting Types N62/GM

Rotation CW

Housing Material Cast aluminum bare

Positive Connection M8 X 1.25

Negative Connection Case ground

Shaft Diameter 17mm

Pulley Per application

Weight 7.0kg typical

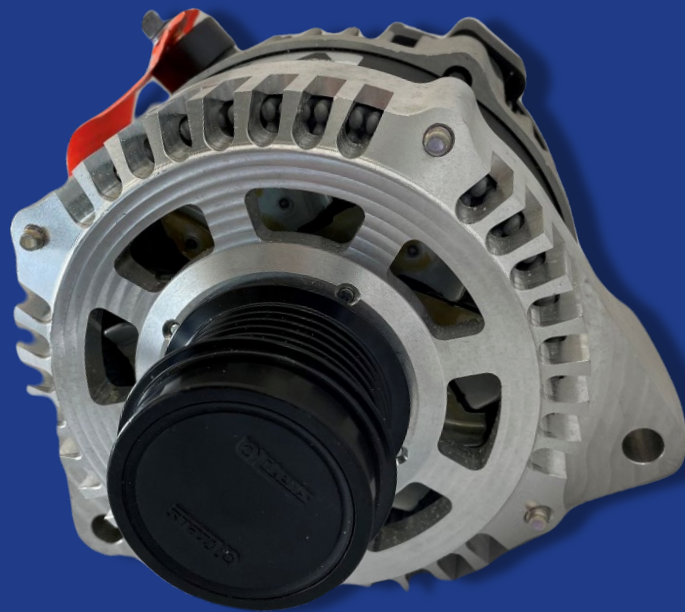


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