

# 160 HPI SERIES

## Alternators

### DEPENDABLE, HIGH-POWER SOLUTIONS

APS 160 HPI Series alternators provide stable output current for 48-56 VDC to power the on-vehicle equipment you need to get the job done.

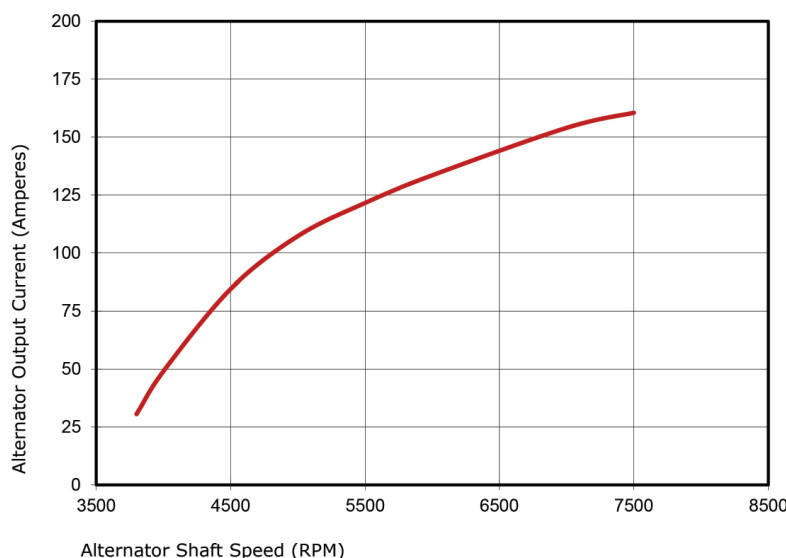
Available for diverse applications in the secondary alternator position with APS bracketry, the 160 HPI Series also is used in conjunction with our Lithium-Ion Battery Storage, which can integrate with virtually any vehicle.

### KEY FEATURES

- 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
- Stator and rotor insulation tested to 600 volts
- Performance-tested rotor (600 volts) and rectifier (300 volts)

### UNIQUE CAPABILITIES

- Ability to parallel more than one alternator
- Rugged design intended to meet military standards
- Custom drive systems for virtually any application



# 160 HPI Series Alternators

## ELECTRICAL SPECIFICATIONS

Charge voltage set point	Application specific
Efficiency	70+%
Output current (nominal)	160 amps
Rated power	8,640 Watts
Rated voltage	48-58 VDC
Recommended pulley ratio	Application specific

## MECHANICAL SPECIFICATIONS

Cooling	Internal fans
Diameter	6.5 inches/165 mm
Typical mount	Secondary alternator bracket (Ford, GMC, others)
Pulley	Application specific
Regulator	External, custom
Rotation	CW
Weight	16 pounds/7 kg



Alternator testing completed under ambient conditions, with stator temperature stabilized.

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