



PROJECTS+ SOLUTIONS

**Power to get the job done,
no matter where work
takes you.**

HIGH POWER AT IDLE

Objective:

Substantially increase vehicle power at idle

Solution:

APS Dual Alternator Bracket Kit + High Idle Controls

PLATFORMS

Toyota Land Cruiser 70, 100 & 200 Series

Toyota Hilux 2.4 & 2.8L

**Solutions available for
diesel & petrol engines.**

TOYOTA LAND CRUISER + HILUX



ALTERNATOR
185HPI-FTAN-28
185 Amps | 28 Volts



ALTERNATOR
255HPI-17220-12
255 Amps | 12 Volts



ALTERNATOR BRACKET
T70MK4.2-17220-80E



HIGH IDLE CONTROLS

APS dual alternator kit on a Toyota Land Cruiser 200 Series (petrol) in the field: Secondary, 360-amp, 12-volt alternator is visible here.

12- & 24-VOLT POWER ON THE SAME VEHICLE



CHEVROLET SUBURBAN

Objective:

Deliver current at two voltages (12 & 24 volts)
and increase vehicle power at idle

Solution:

APS Split System Design,
Dual Alternator Bracket Kit,
Custom PCM Flash + Dual Battery Tray Upgrade

PLATFORMS

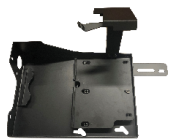
Chevrolet Sierra
Chevrolet Suburban
Chevrolet Tahoe



ALTERNATOR
360HPI-GMRVC-12 185HPI-GMEXT-28
360 Amps | 12 Volts 360 Amps | 28 Volts



ALTERNATOR BRACKET
KMCI692V38



BATTERY TRAY
APS-16SUB-20PK-BT-K
Custom design for client

In-progress product fitment on a Chevrolet Suburban at American Power Systems, Inc. in Davenport, Iowa.

QUICK-TURN DESIGN + INTEGRATION



POLARIS DAGOR



Customized kitted power solution for Polaris DAGOR.

Objective:

Develop robust, 28-volt secondary power system
and increase vehicle power at idle

Solution:

Dual Alternator Bracket Kit Design +
High Idle Control

PLATFORMS

Polaris Dagor
Light utility vehicle applications



DUAL ALTERNATOR BRACKET
PDMK2.2
Custom design for OEM client

PRIMARY ALTERNATOR REPLACEMENT
130-DAGSE-14.5
130 Amps | 14.5 Volts

SECONDARY ALTERNATOR
185HPI-FTAN-28
185 Amps | 28 Volts

CUSTOM DRIVE SOLUTION FOR MORE POWER

Objective:

Increase available 12-volt power

Solution:

Upgraded 12-volt , 255-amp alternator

PLATFORMS

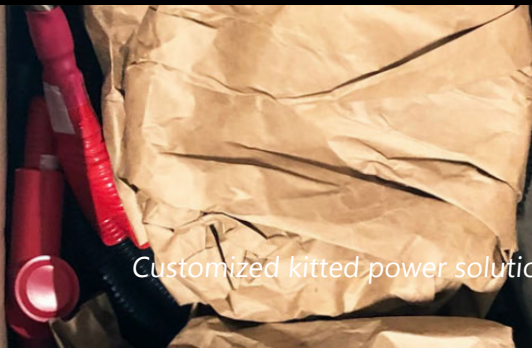
Polaris MRZR-D

Other light utility vehicle applications



PRIMARY ALTERNATOR REPLACEMENT
255HPI-MRZRD-12/HPI6-52C-P-S-0
255 Amps | 12 Volts

POLARIS MRZR-D



Customized kitted power solution for Polaris MRZR-D.



Objective:

Provide the ability to charge dual battery banks from a single power source on M230LF, as well as the ability to independently discharge batteries without drawing from the opposing battery bank.

Solution:

12- or 28-Volt Secondary Alternator with APS Bracket +
24-Volt Battery Isolator

PLATFORMS

Toyota Land Cruiser 70 Series
Other RWS applications



ALTERNATOR
185HPI-FTAN-28



ALTERNATOR
360HPI-17220-TLCD



BATTERY ISOLATOR
APS-PG24DR/BBAC

TOYOTA LAND CRUISER 70-SERIES RWS



Objective:

Increase on-vehicle power for special equipment, even at idle.

Solution:

Direct OEM replacement alternator delivering up to 360 amps +
High Idle Control



HIGH IDLE CONTROL



ALTERNATOR
NPY62-ZH00A-270

NISSAN PATROL

LITHIUM-ION SYSTEMS FOR WORK OR PLAY



DODGE RAM PROMASTER



In-progress product fitment on a Dodge RAM Promaster at American Power Systems, Inc. in Davenport, Iowa.

Objective:

Deliver ample current at 58 volts to properly charge a lithium-ion battery storage system

Solution:

Custom Dual Alternator Bracket,
58-Volt Secondary Alternator + Smart Regulator
Solutions also available at 28 volts

PLATFORMS

Dodge RAM Promaster

Ford Transit

Mercedes-Benz Sprinter

Other working vans and RV applications



ALTERNATOR
160HPI-PM3.6-58
160 Amps | 58 Volts



ALTERNATOR BRACKET
KDV-6V903



LI-ION STORAGE
SYSTEM
58 Volts



LI-ION STORAGE
SYSTEM
28 Volts



SMART REGULATOR
APS-500

POWER FOR INTEGRATED TACTICAL SURVEILLANCE

Objective:

Provide power for Integrated Tactical Surveillance Vehicle

Solution:

Dual Alternator Bracket,
185-Amp, 28-Volt Secondary Alternator +
Mil-Spec Regulator

PLATFORMS

Ford F-250 6.2L Gas
Other Ford F-Series vehicles
Many more vocational truck platforms



ALTERNATOR
185HPI-GMEXT-28
185 Amps | 28 Volts



ALTERNATOR BRACKET
KMF-8WP-92V49



REGULATOR
28RGXTF-M

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FORD F-250 ITSV