

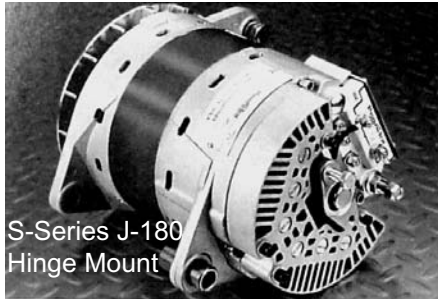


**PennTex** INDUSTRIES, INC.

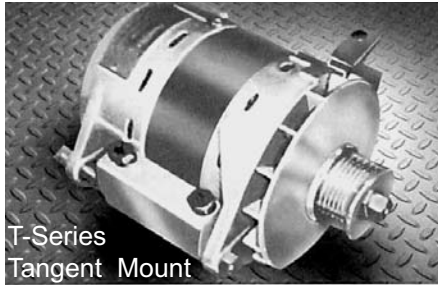
MODEL  
**PX-6 Series**

12-Volt / 24-Volt Hybrid 130 amps  
24-Volt 160 & 190 amps

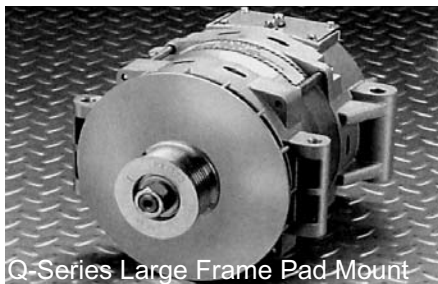
**HIGH AMPERAGE / HEAVY DUTY  
ALTERNATORS / CHARGING SYSTEMS**



S-Series J-180  
Hinge Mount




T-Series  
Tangent Mount



Q-Series Large Frame Pad Mount

PX-616 & PX-619  
use a PX-4024  
Voltage  
Regulator  
(Shown)

PX-614SH  
Uses a  
PX-4000-4  
Voltage Regulator



AVAILABLE  
24-VOLT MODELS:  
PX-614SH  
PX-616S  
PX-616Q  
PX-616T  
PX-619Q  
PX-619QF

Check with PennTex for  
information on the  
PX-614SH 12-volt /  
24-volt Hybrid System  
used on 12-volt vehicles  
to power an additional  
24-volt  
electrical system.

**140 AMPS**

| PX-614SH HYBRID TESTED AND PROVEN |                |             |
|-----------------------------------|----------------|-------------|
| ROTOR RPM                         | AMPS@ 28 VOLTS |             |
|                                   | COLD (SAE)     | HOT (200°F) |
| 1800                              | 75             | 60          |
| 2000                              | 90             | 75          |
| 2500                              | 100            | 85          |
| 3000                              | 110            | 90          |
| 3500                              | 120            | 100         |
| 4000                              | 130            | 110         |
| 4500                              | 135            | 115         |
| 5000                              | 140            | 120         |

**160 AMPS**

| PX-616 TESTED AND PROVEN |                |             |
|--------------------------|----------------|-------------|
| ROTOR RPM                | AMPS@ 28 VOLTS |             |
|                          | COLD (SAE)     | HOT (200°F) |
| 1800                     | 85             | 65          |
| 2000                     | 106            | 86          |
| 2500                     | 134            | 118         |
| 3000                     | 147            | 130         |
| 3500                     | 155            | 141         |
| 4000                     | 159            | 144         |
| 4500                     | 164            | 151         |
| 5000                     | 167            | 154         |

**190 AMPS**

| PX-619 TESTED AND PROVEN |                |             |
|--------------------------|----------------|-------------|
| ROTOR RPM                | AMPS@ 28 VOLTS |             |
|                          | COLD (SAE)     | HOT (200°F) |
| 1800                     | 48             | 46          |
| 2000                     | 79             | 76          |
| 2500                     | 138            | 127         |
| 3000                     | 164            | 150         |
| 3500                     | 179            | 168         |
| 4000                     | 190            | 177         |
| 4500                     | 198            | 183         |
| 5000                     | 206            | 190         |

WARRANTY

PX-616, PX-619: PENNTEX INDUSTRIES, INC. STANDARD WARRANTY IS EIGHTEEN (18) MONTHS OR 75,000 MILES -- WHICHEVER OCCURS FIRST, WHEN INSTALLED ON A NEW OEM VEHICLE. AFTERMARKET INSTALLATIONS HAVE A WARRANTY OF TWELVE (12) MONTHS/UNLIMITED MILES. PX-614 IS 12 (TWELVE) MONTHS/UNLIMITED MILES.

APPLICATIONS

- Buses, Firetrucks, Ambulances and Industrial applications that require reliable 24-volt output.
- Contact PennTex for availability of a specific application.

OPTIONS

- 12-volt PX-6 systems are also available.



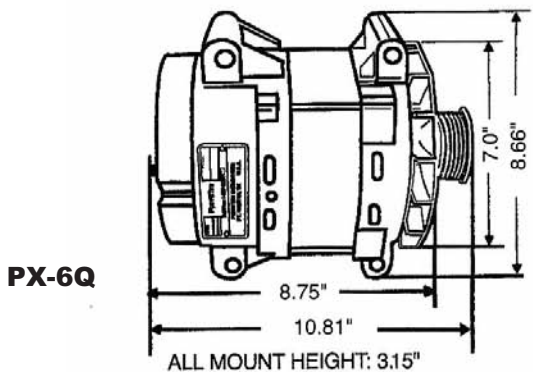
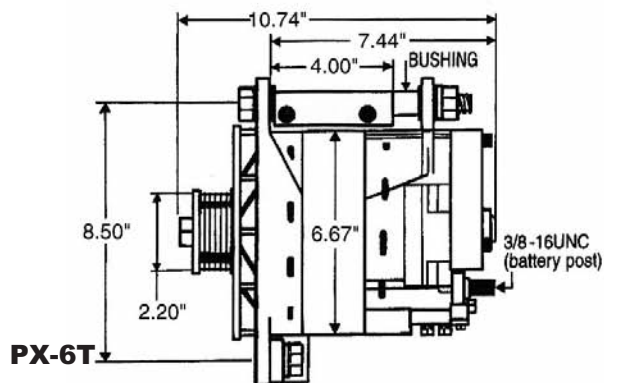
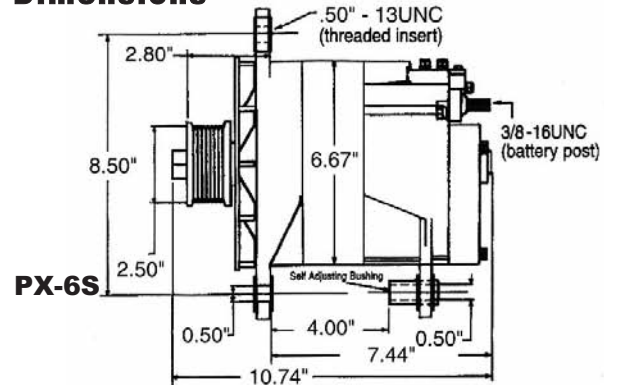
Specially designed for 24-volt heavy duty, high amperage applications in vehicles that operate at less than highway speeds or idle for prolonged periods of time.

### Special Features:

- 1) 3/8" battery post.
- 2) Heavy duty hand wound high output stator.
- 3) Heavy duty dual plain balanced rotor.
- 4) Heavy duty long life brushes.
- 5) Heavy duty bearings with high temperature seals and grease.
- 6) Eighteen (18) press fit 60 amp diodes.
- 7) Specially designed patented heavy duty regulator that produces higher output ratings; runs cooler than industry standards.
- 8) Regulator has ground fault protection and high voltage protection.
- 9) Cooling fan is designed to create cooler operating temperatures.
- 10) Utilizes common OEM mounting configurations.
- 11) GXL wire standard in all harnesses.
- 12) Weight: approximately 32 pounds.

**PennTex Industries** recommends using a minimum of 2 gauge battery and ground cable. For maximum performance, route 2 gauge battery cable, or larger, from the alternator battery post directly to the battery positive stud. The ground wire from the alternator should be a minimum of 2 gauge cable and be bolted directly to a chassis ground or to the negative side of the battery.

### Dimensions



Note: All dimensions are for quick reference. Contact PennTex for precise measurements if required for brackets or special applications.

## PERFORMANCE, ENDURANCE AND SATISFACTION



Manufacturers of

High Efficiency Alternators and Mobile Electronic Devices.

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Fax: 717-266-7803

**Manufacturing/ Sales/ Tech/ Warranty:**  
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Fort Worth, TX 76118  
Ph: 817-590-2818, Toll Free: 877-590-7366  
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