



Power that keeps the world moving!

alternators
regulators
isolators
accessories



POWER THAT KEEPS THE WORLD MOVING!

Our business has been up and running for over 30 years. Some may know us as HEHR International, or even by our Trade name; *POWERLINE*. Our company name changed in 2008 from HEHR to HD Power Solutions, Inc. However, a lot of our older products are still out there moving people from point A to point B. If you have an alternator, battery isolator, or voltage regulator with a HEHR, *POWERLINE* or even an HD Power Solutions tag on it, and you need some information or it needs replacing; contact us, we are the manufacture.

HDPSI is an industry-recognized leader in the manufacturing of electrical components for a variety of vehicles including automotive, marine, recreational, transit, and emergency service. Through extensive engineering and heat chamber testing, every product at HDPSI can withstand extreme amounts of heat, pressure, and strain. Detailed product information, customer care, and warranty information can be found in this introductory product information catalog.

From our centrally-located manufacturing plant in Fort Worth, Texas, HD Power Solutions, Inc. managers and staff work closely with OEMs, as well as with strong warehouse distributor networks, for widespread product availability throughout the United States, Canada, and other countries. Dedicated to developing valuable relations through a commitment to quality, customer care, and competitive pricing, HDPSI looks forward to working with you in the future.

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POWERLINE 23HD Series **Automobile and Marine Alternators**

The automobile version of the 23HD series alternators are made of standard aluminum and are designed and tested to withstand higher under-hood temperatures, and are for vehicles requiring higher output at idle and at highway speeds. This Series of alternators is ideal for smaller engines and car audio applications.

Alternators with spindle mounts are available in 3/8," 7/16," and 1/2" mounting bolts, as well as dual-foot mounts in 8mm and 10mm. A universal mounting kit is included with some 23HD Series alternators, this will give you the materials necessary for the proper fitment of your marine engine.

APPLICATIONS:

- All GM automobiles 1960-1985 and Ford 1960-1985
- For marine applications, Yanmar, Perkins, Westerbeke, and Universal diesel engines
- For more application information call HDPSI at (800)433-9394

SPECIFICATIONS:

- Weight: 12lbs.

WARRANTY:

- 12-month limited warranty

FEATURES:

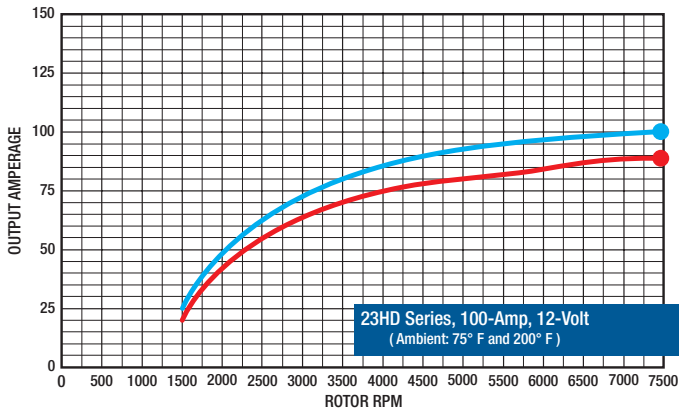
- Mount types available: Spindle in 1" & 2" and Dual-foot
- Rated at 120 amps, 12 volts
- Heavy-duty press fit, 70-amp diodes
- Uses 10-199 External Regulator (Replaces all older versions of *POWERLINE* regulators)
- Long-life brushes
- *POWERLINE* custom-braided wiring harness available
- 5/16" positive and negative output terminals
- Hand-wound, high-output stator
- Heavy-duty, dual-plane balanced rotor
- Heavy-duty, high-speed bearings with high-temperature grease
- Shipped with clockwise directional fan
- The 23-11 and the 23-110 alternators are provided with a universal mounting kit. This allows fitments for conventional marine applications. (Usually not used but is provided just in case)
- Check for pulley availability

BENEFITS:

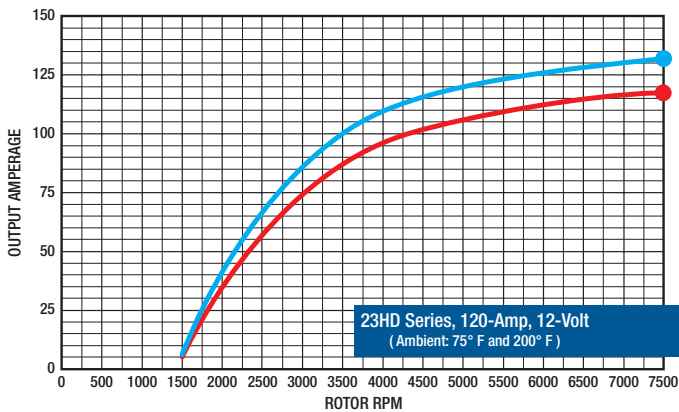
- Designed for worst-case, high temperature operating conditions
- Heavy-duty materials providing exceptional performance for extended life
- Troubleshooting Guide and on-call technical support available

POWERLINE 23HD Series Alternators

POWERLINE 23HD SERIES ALTERNATOR POWER CURVE PERFORMANCE:

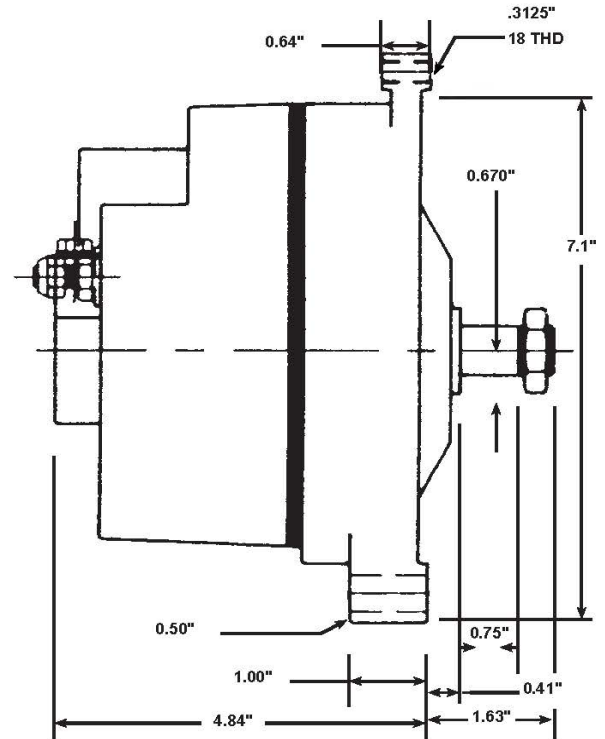


7500	100	89
7000	99	88
6500	98	87
6000	97	84
5500	95	82
5000	93	80
4500	90	78
4000	86	75
3500	80	71
3000	73	64
2500	63	55
2000	48	42
1500	25	20
RPM	AMPS 75° F	AMPS 200° F

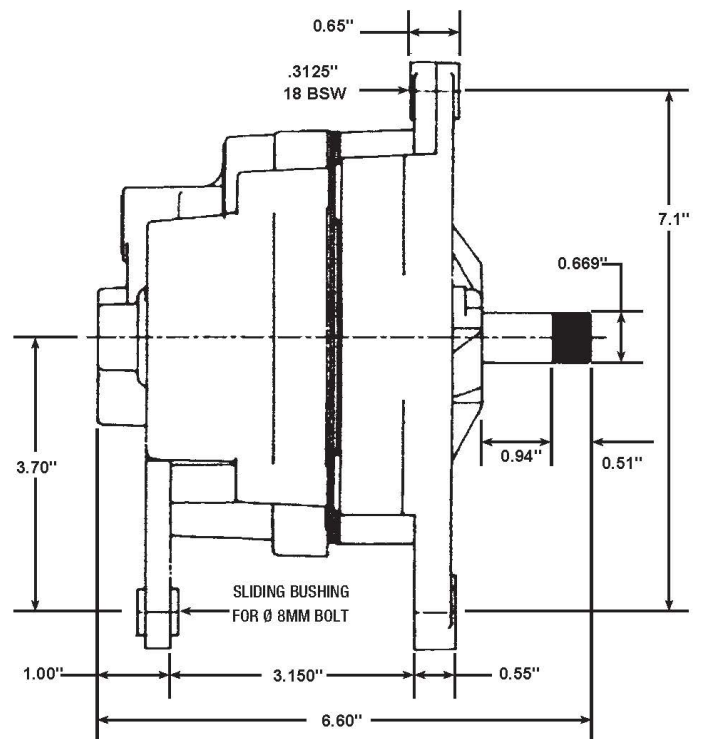


7500	132	118
7000	130	116
6500	128	114
6000	126	112
5500	123	109
5000	120	106
4500	116	102
4000	108	97
3500	100	88
3000	86	76
2500	66	57
2000	39	33
1500	6	5
RPM	AMPS 75° F	AMPS 200° F

POWERLINE 23HD SERIES ALTERNATOR SPINDLE MOUNT MEASUREMENT SPECIFICATIONS:



POWERLINE 23HD SERIES ALTERNATOR SADDLE MOUNT MEASUREMENT SPECIFICATIONS:





FEATURES:

- Mount types available: 2" Spindle & 3" Spindle.
- Our 28HD Series replaces our 24HD Modular and T-Mount housings (Older models)
- Amp/Volt configurations: 160/12, 190/12, 220/12 and 100/24
- Heavy-duty press fit, 70 amp diodes (6 positive, 6 negative)
- Uses 10-199 External Regulator (Replaces all older versions of POWERLINE regulators)
- Long-life brushes
- POWERLINE custom-braided wiring harness available
- 5/16" positive and negative output terminals
- Hand-wound, high-output stator
- Heavy-duty, dual-plane balanced rotor
- Heavy-duty, high-speed bearings with high-temperature grease and Viton Seals
- Check for pulley availability

BENEFITS:

- Maximum amps at engine idle
- Designed for worst-case, high temperature operating conditions
- Precision-engineered to guarantee the fit of each application
- Heavy-duty materials providing exceptional performance for extended life
- Troubleshooting Guide and on-call technical support available

POWERLINE 24HD Series Alternators

POWERLINE 24HD series alternators are designed and tested to withstand higher under-hood temperatures and are for vehicles requiring higher output at idle and at highway speeds. This Series is available in 160, 190, and 220 amps in 12 volts.

The POWERLINE 24HD series alternators are perfect for ambulances, buses, service vehicles, wreckers, marine applications, tow vehicles, off-road vehicles, trucks and specialty vehicles. The T-mount alternator is a direct replacement for the Ford Tangential mount (T-mount) application through 2002, and is designed for maximum amps at low engine idle.

APPLICATIONS:

- Various GM and Ford automobiles 1970-2002
- Various other vehicles and marine applications
- For more application information call HDPSI

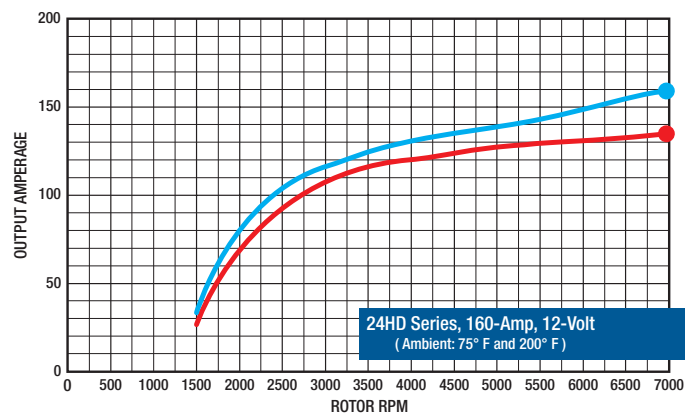
SPECIFICATIONS:

- Weight: 16-21 lbs.

WARRANTY:

- 12-month limited warranty

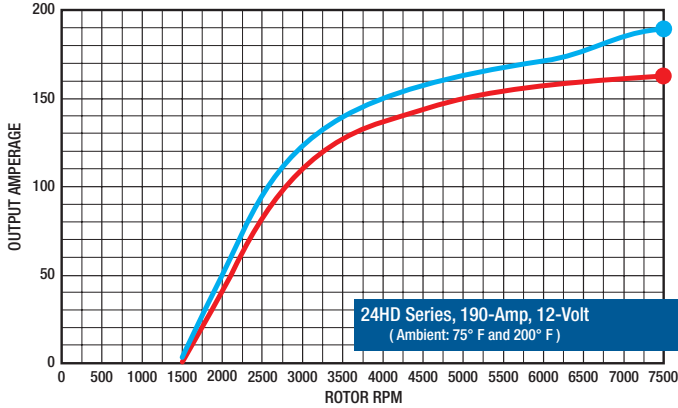
**POWERLINE 24HD SERIES ALTERNATOR
POWER CURVE PERFORMANCE:**



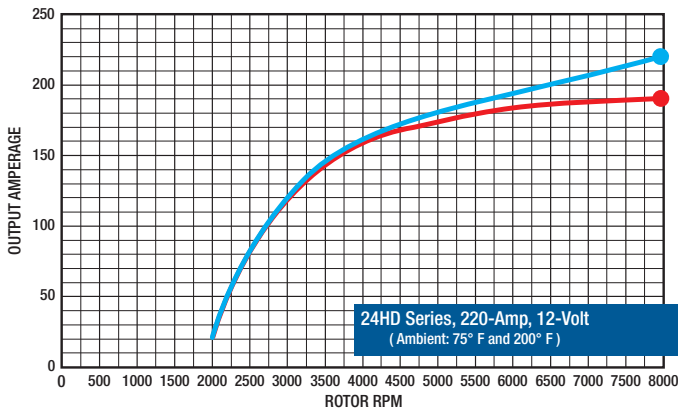
7000	160	135
6500	155	133
6000	148	130
5500	143	129
5000	139	127
4500	134	125
4000	130	120
3500	125	115
3000	116	109
2500	105	94
2000	80	71
1500	33	27
RPM	AMPS 75° F	AMPS 200° F

POWERLINE 24HD Series Alternators

POWERLINE 24HD SERIES ALTERNATOR POWER CURVE PERFORMANCE:

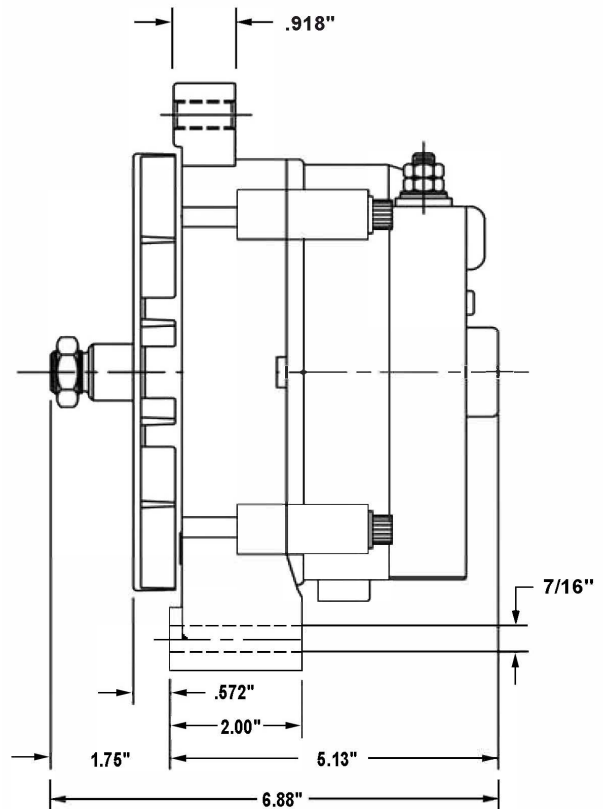
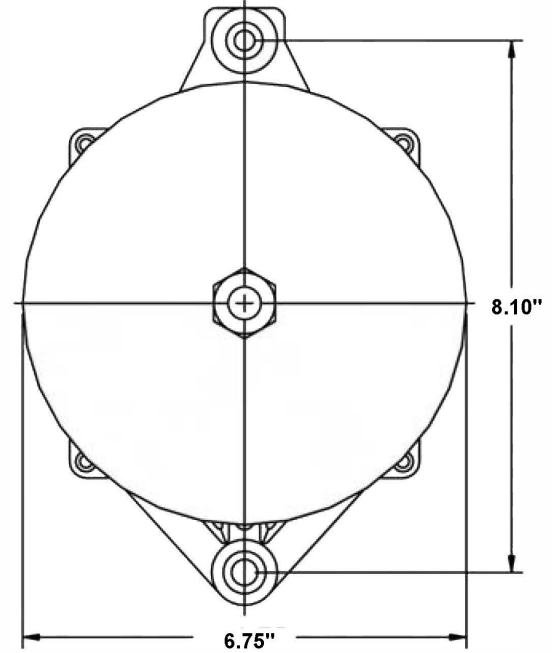


7500	190	163
7000	184	160
6500	176	159
6000	171	156
5500	167	154
5000	163	150
4500	157	143
4000	149	137
3500	139	126
3000	121	110
2500	95	83
2000	50	40
1500	3	0
RPM	AMPS 75° F	AMPS 200° F

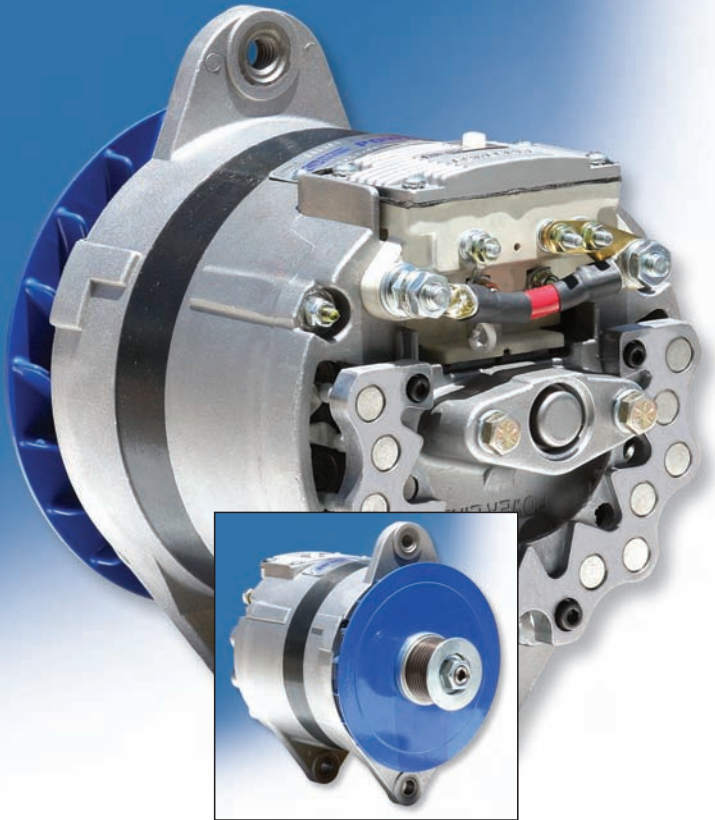


8000	220	190
7500	214	189
7000	207	188
6500	199	187
6000	194	184
5500	187	180
5000	181	174
4500	173	168
4000	162	160
3500	145	144
3000	120	120
2500	80	83
2000	21	21
RPM	AMPS 75° F	AMPS 200° F

POWERLINE 24HD SERIES ALTERNATOR SPINDLE MOUNT MEASUREMENT SPECIFICATIONS:



We also have 3" foot housings available



POWERLINE 25HD Series Alternators

POWERLINE 25HD series alternators are designed and tested to withstand higher under-hood temperatures and are for vehicles requiring higher output at idle and at highway speeds. Tested for today's medium and heavy-duty on and off-road applications. Some of the many options available for this series are 160, 220, and 275-amp 12-volt, and 100, 150, and 200 amp 24-volt models.

The POWERLINE 25HD series alternators are perfect for fire trucks, ambulances, buses, emergency vehicles, service vehicles, wreckers, motor homes, tow vehicles, off-road vehicles, trucks, and specialty vehicles.

APPLICATIONS:

- Freightliner FL67 and FL70. Navistar 3000 bus chassis and 4000 truck chassis
- All series Monoco Motorhomes
- All Detroit, Cummins, Caterpillar, Mack, International, and Mercedes Diesel engines equipped for J-180 mounts
- For more application information call HDPSI at (800)443-9394

SPECIFICATIONS:

- Weight: 27 lbs.

WARRANTY:

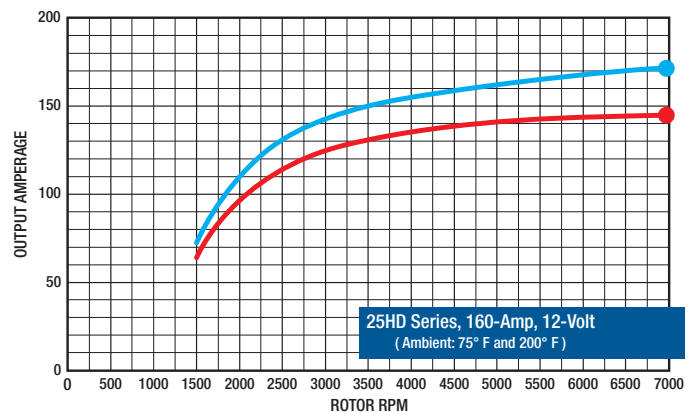
- 12-month limited warranty

FEATURES:

- Mount type: Saddle Mount (J-180)
- Amp/Volt configurations: 160/12, 190/12, 220/12, 275/12, 100/24, 150/24, and 200/24 and many more
- Heavy-duty press fit, 70 amp diodes.
- Our 200+ Amp alternators have 12 positive, 12 negative diodes; 24 total diodes. "Horseshoe" heat sink. (25HD series image)
- Standard with non-adjustable internal regulator
- External regulator configurations available
- Hand-wound, heavy-duty dual delta stator
- Extra long-life brushes
- Heavy-duty, dual-plane balanced rotor
- Heavy-duty, extended-life bearings with heat-treated races, high-temperature grease and Viton seals
- Check for pulley availability
- POWERLINE custom-braided wiring harness available
- Insulated ground available upon special order
- Equipped for remote battery sense and indicator lamp use
- Shipped ready for one-wire hook-up
- Easy conversion for battery isolator/Duovac systems

BENEFITS:

- Maximum amps at engine idle
- Designed for worst-case, high-temperature operating conditions
- Precision-engineered to guarantee the fit of each application
- Heavy-duty materials providing exceptional performance for extended life
- Troubleshooting Guide and on-call technical support available



7000	172	145
6500	170	144
6000	168	143
5500	165	142
5000	162	141
4500	159	139
4000	155	135
3500	150	131
3000	142	125
2500	131	112
2000	110	97
1500	72	63
RPM	AMPS 75° F	AMPS 200° F

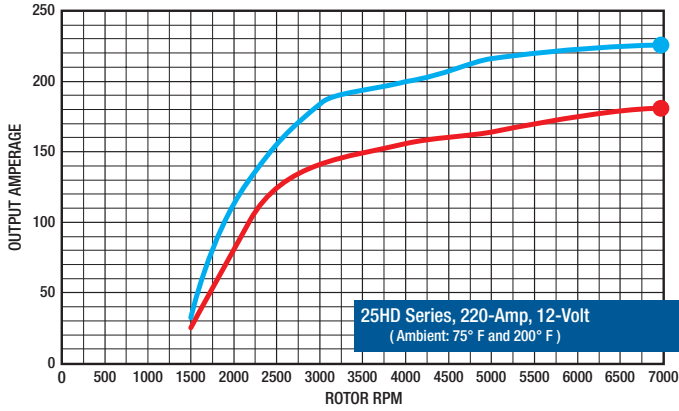
hdpsi.com - sales@hdpsi.com

Phone: (800)443-9394 Fax: (682)301-1798

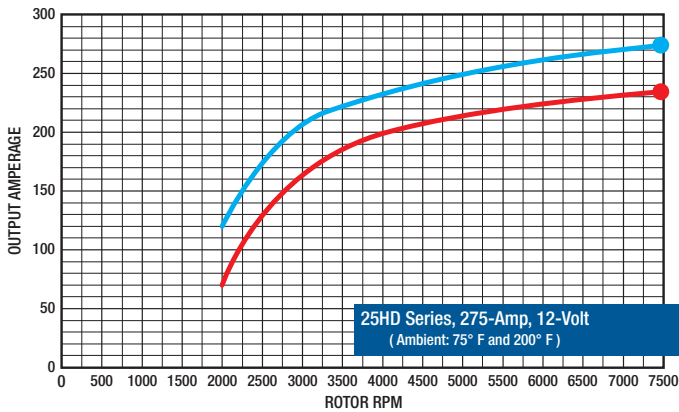
Product, price, specification, and availability subject to change without notice.

POWERLINE 25HD Series Alternators

POWERLINE 25HD SERIES ALTERNATOR POWER CURVE PERFORMANCE:

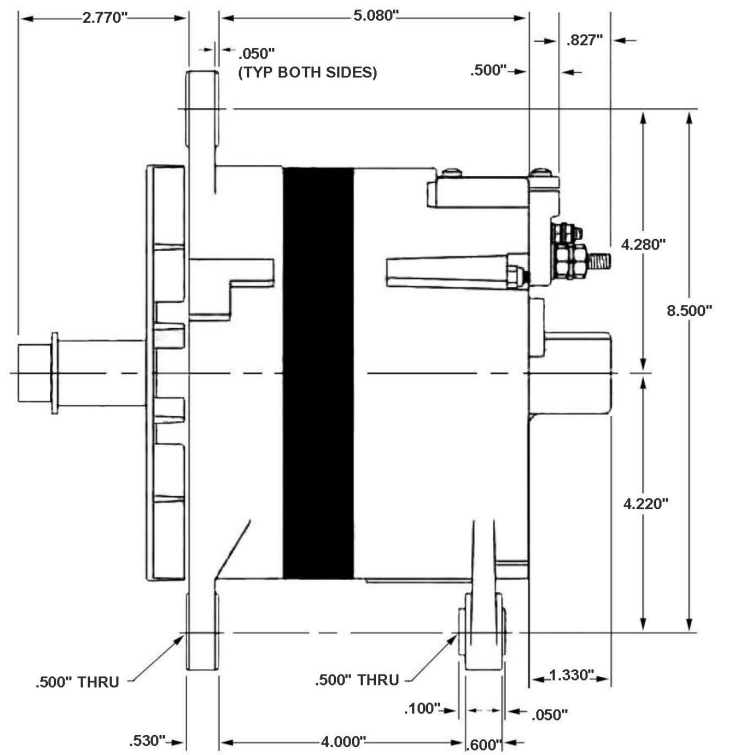
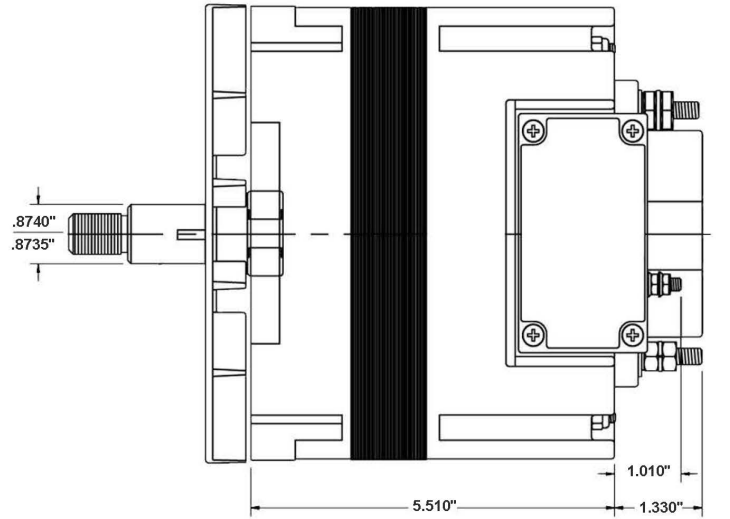


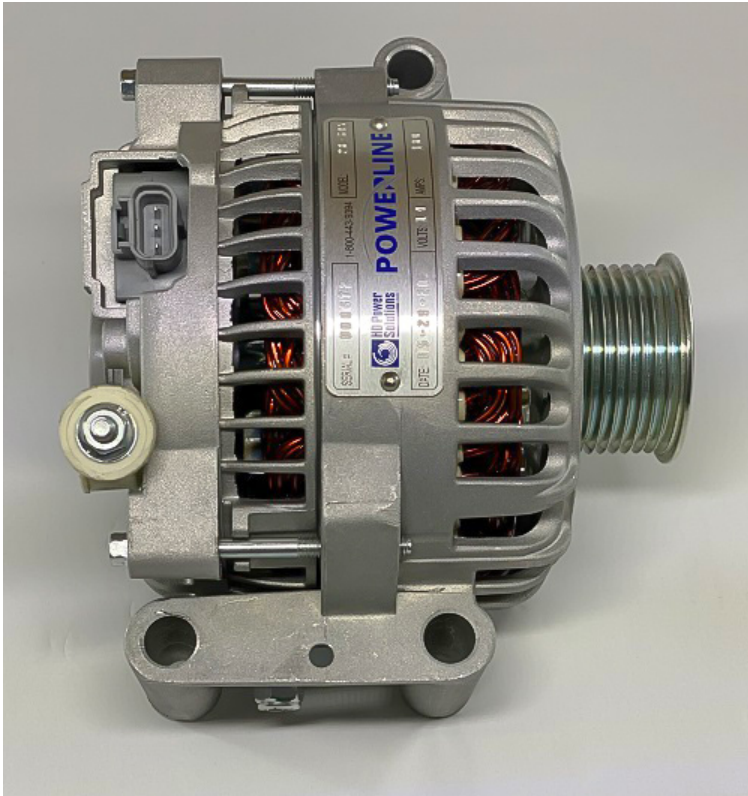
7000	226	180
6500	224	178
6000	223	175
5500	220	169
5000	216	164
4500	205	159
4000	200	156
3500	192	150
3000	185	139
2500	153	126
2000	112	81
1500	32	25
RPM	AMPS 75° F	AMPS 200° F



7500	275	235
7000	268	230
6500	264	226
6000	259	222
5500	253	218
5000	247	212
4500	242	207
4000	232	199
3500	223	183
3000	205	164
2500	175	129
2000	120	70
RPM	AMPS 75° F	AMPS 200° F

POWERLINE 25HD SERIES ALTERNATOR J-180 MOUNT MEASUREMENT SPECIFICATIONS:





POWERLINE 28HD Series Alternators

These Ford 6G replacement alternators are designed and tested to withstand higher under-hood temperatures and are for vehicles requiring higher output at idle and at highway speeds. Tested for today's limousines, police cruisers, and mini-bus applications. This series is exclusively manufactured in 180-amp models.

APPLICATIONS:

- For application information call HDPSI at (800)433-9394

SPECIFICATIONS:

- Weight: 18 lbs.

WARRANTY:

- 12-month limited warranty

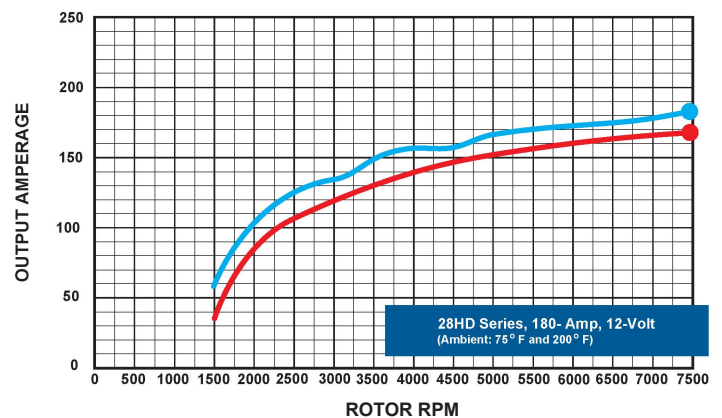
FEATURES:

- Mount types available: Modular and T-mount
- Rated at 180 amps, 12 volts
- Custom wave wound stator
- Heavy-duty, dual-plane balanced rotor and dual internal fans
- Heavy-duty, extended-life bearings with heat-treated races, high-temperature grease and Viton seals
- Externally-regulated
- Solid copper internal rectifier rated at 200 amps with press-fit diodes
- Heavy-duty, 8mm copper-plated positive output terminal
- Uses 10-199 External Regulator (Replaces all older versions of POWERLINE regulators)
- 11-123 harness available if needed
- Check for pulley availability

BENEFITS:

- Designed for worst-case, high-temperature operating conditions
- Precision-engineered to guarantee the fit of each application
- Heavy-duty materials providing exceptional performance for extended life
- Troubleshooting Guide and on-call technical support available

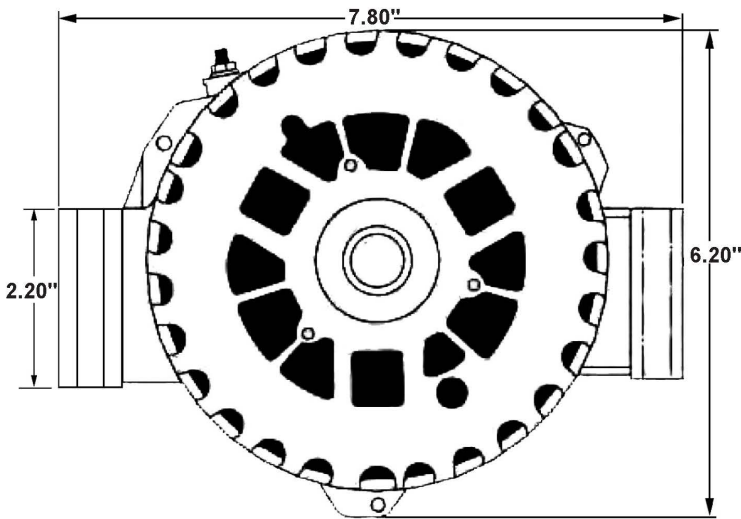
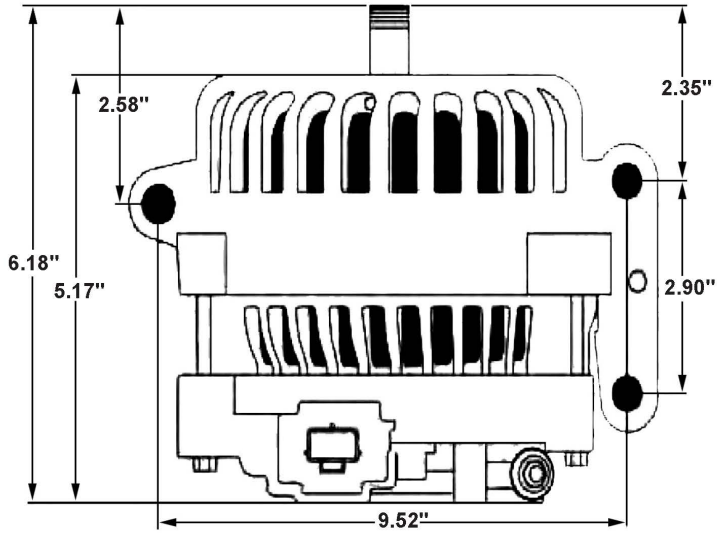
POWERLINE 28HD SERIES ALTERNATOR POWER CURVE PERFORMANCE:



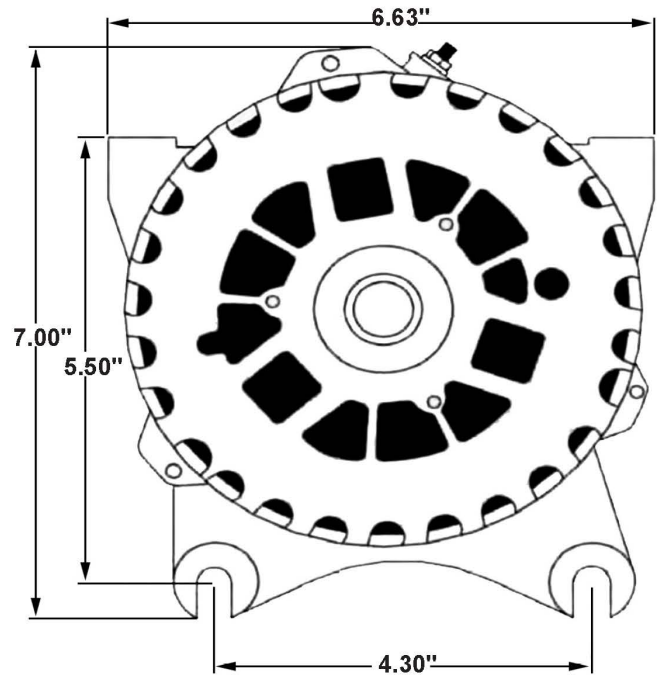
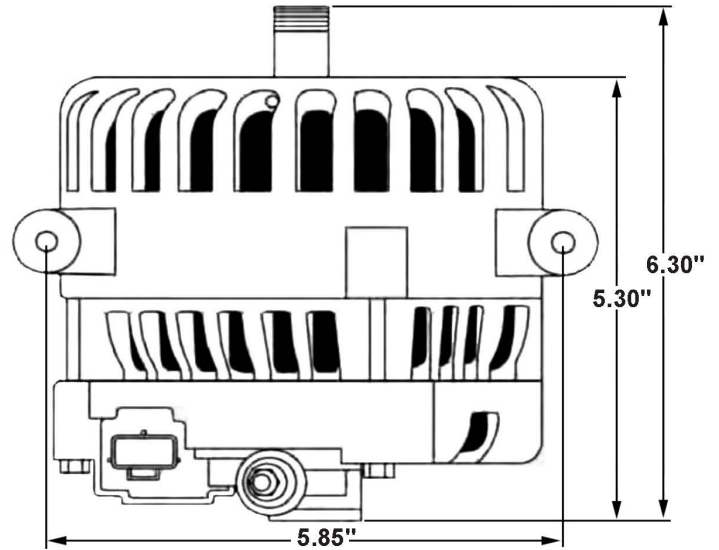
7500	180	168
7000	175	165
6500	173	163
6000	171	161
5500	167	155
5000	164	152
4500	155	147
4000	155	140
3500	147	130
3000	132	120
2500	122	106
2000	101	85
1500	56	35
Rotor RPM	AMPS 75° F	AMPS 200° F

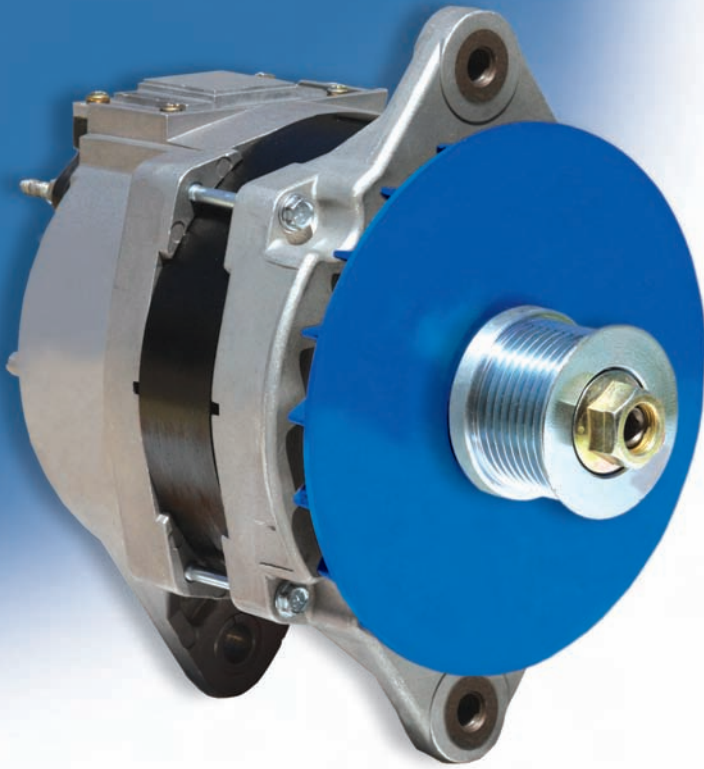
POWERLINE 28HD Series Alternators

POWERLINE 28HD SERIES ALTERNATOR T-MOUNT MEASUREMENT SPECIFICATIONS:



POWERLINE 28HD SERIES ALTERNATOR MODULAR MOUNT MEASUREMENT SPECIFICATIONS:





POWERLINE 31HD Series Alternators

J-180 mount alternators are designed and tested to withstand higher under-hood temperatures and are for vehicles requiring higher output at idle and highway speeds. Tested for today's heavy-duty on-road applications. This series is available in 160, 200, and 250-amp 12-volt, and 150-amp 24-volt models.

APPLICATIONS:

- Freightliner FL67 and FL70
- Navistar 3000 bus chassis and 4000 truck chassis
- Monoco Motorhomes. All Detroit, Cummins, Caterpillar, Mack, International and Mercedes diesel engines equipped for J-180 mount
- For more application information call HDPSI at (800)443-9394

SPECIFICATIONS:

- Weight: 27 lbs.

WARRANTY:

- 12-month limited warranty

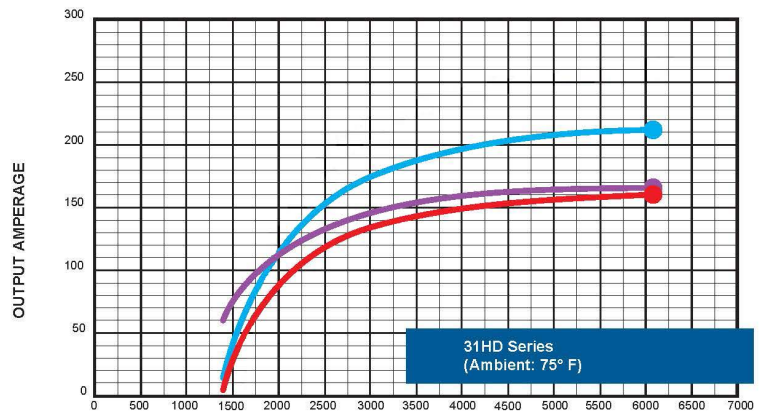
FEATURES:

- Mount types available: J-180 and Pad Mount
- Amp/volt configurations: 160/12, 200/12, 250/12, 150/24
- Heavy-duty press fit, 70-amp diodes (6 positive, 6 negative)
- Specially-designed finned heat-sink for cooler operation
- Hand-wound, heavy-duty dual delta stator
- Heavy-duty, extended-life bearings with heat-treated races, high-temperature grease, and Viton seals
- Extra long-life brushes
- 5/16" positive and negative output terminals
- Shipped with clockwise high-volume low-noise fan (bi-directional fan available)
- External remote battery-sensing terminal
- External relay/tachometer terminal
- Ignition terminal for indicator or non-indicator applications
- Check for pulley availability

BENEFITS:

- Maximum amps at engine idle
- Designed for worst-case, high-temperature operating conditions
- Precision-engineered to guarantee the fit of each application Heavy-duty materials providing exceptional performance for extended life
- Troubleshooting Guide and on-call technical support available

POWERLINE 31HD SERIES ALTERNATOR POWER CURVE PERFORMANCE:



ROTOR RPM					
6000	159	6000	166	6000	212
5500	157	5000	163	5000	208
5000	155	4000	158	4000	197
4500	152	3400	152	3400	186
4000	148	3000	145.5	3000	173.5
3500	142	2400	131	2400	144
3000	134	2000	113	2000	112
2500	118	1800	101	1800	90
2000	87	1600	84	1600	59
1750	62	1400	60.5	1400	14
1500	27				
1400	4				
RPM	AMPS 150	RPM	AMPS 160	RPM	AMPS 200

POWERLINE 31HD Series Alternators

POWERLINE 31HD SERIES ALTERNATOR SPECIFICATIONS:

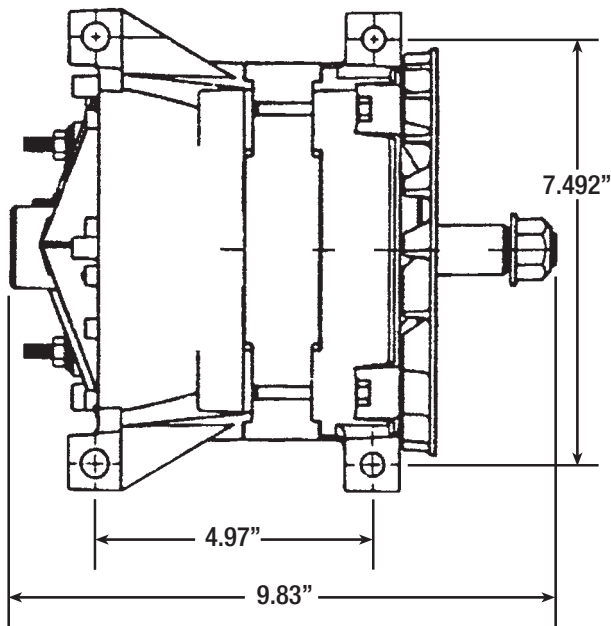
Model Numbers:		RATED AMPS	OUPUT VOLTS	POSITIVE TERMINAL	STATOR TERMINAL	BRUSH HOLDER AND REGULATOR ASSEMBLY	
HDPSI	REMY						
0310100	19011100	160	12	5/16"	Push on Pin	0885279	10493279
0310101	19011101	160	12	5/16"	#10 Threads	0885088	10493088
0310102	19011102	105	12	5/16"	Push on Pin	0885279	10493279
0310103	19011103	105	12	5/16"	#10 Threads	0885088	10493088
0310104	19011104	200	12	5/16"	Push on Pin	0885742	10493742
0310105	19011105	200	12	5/16"	#10 Threads	0885948	10493948
0310106	19011106	160	12	5/16"	Push on Pin	0885279	10493279
0310107	19011107	160	12	5/16"	#10 Threads	0885948	10493948
0310112	19011112*	200	12	5/16"	#10 Threads	0885948	10493948
0310250	N/A	250	12	5/16"	#10 Threads	0885948	10493948
0310108	19011108	150	24	1/4"	Push on Pin	0885130	10485130
0310054	8600054**	150	24	1/4"	#10 Threads	0885131	10485130

*Shipped with 10474925 pulley installed on shaft.

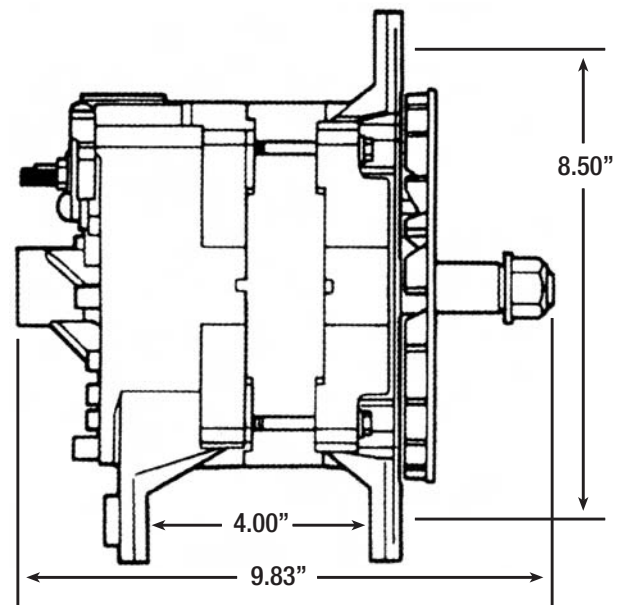
**Shipped with 10510992 pulley installed on shaft.

IF REPLACING GENUINE DELCO ALTERNATOR, 1/4" OUTPUT
TERMINAL MUST BE INSTALLED TO FIT TERMINAL CONNECTION

POWERLINE 31HD SERIES ALTERNATOR PAD- MOUNT MEASUREMENT SPECIFICATIONS:



POWERLINE 31HD SERIES ALTERNATOR J-180 MOUNT MEASUREMENT SPECIFICATIONS:



POWERLINE 10HD Series Regulators

HDPSI currently offers a 14-volt external regulator, the POWERLINE 10-199 regulator can include (if needed) a pigtail adapter for a plug and play fit when replacing older POWERLINE regulators. The pig tail adapter has a waterproof connector that helps eliminate corrosion due to moisture. The 10-199 includes short-circuit protection for both field and ignition circuits, an automatic restart circuit, and an adjustable voltage range with a top-mounted potentiometer and much more.

HDPSI offers both a 14-volt and a 28-volt internal regulator. Our internal regulators are non-adjustable, but come with many great features which you can benefit from. See below for more details.

10-199 EXTERNAL REGULATOR:



External Regulator Features:

- 14-volt regulator for 12 volt battery systems
- High-side regulation
- 100-volt load dump protection
- Loss of-ground protection
- Short-circuit protection for both field and ignition circuits
- Up to 15 amps of available field current
- Drives dual alternator systems
- LED indication of ignition, field, stator, and overload alternator condition
- Anodized aluminum heat sink with potted components
- Adjustable systems voltage with top-mounted potentiometer

10-401 (14-volt) and 10-406 (28-volt) INTERNAL REGULATORS:



Internal Regulator Features: (For both 10-401 and 10-406)

- Non-adjustable
- High side regulation with field short circuit protection
- Remote battery sensing
- Dash warning indicator lamp or LED with ignition turn on that indicates no charge or over-voltage
- Voltage set point temperature compensated
- Over voltage protection
- Auto start by rotation
- One wire operation
- FET output transistor saturation voltage no greater than .5 volts
- Less than 1.3 Milli-amps standby drain current at B+ terminal
- FET field switching duty cycle set at 400 hertz
- Field transistor capable of handling 6 amps continuous at 125 degrees Celsius case temperature.



POWERLINE 33HD Series Isolators

HDPSI offers over 100 models of multi-battery *POWERLINE* Isolators. One of the finest isolators on the market. Through extensive engineering and heat chamber testing, *POWERLINE* Isolators have the capability to handle total isolator rating at either battery bank post. The function of a battery isolator is to allow multiple batteries to be charged from a single or dual alternator system and prevent reverse drain from either battery when the vehicle is not running.

Current usage range from ambulances, police cruisers, fire engines, limousines, marine, service vehicles, snowplows, and many other applications. Models are available in 70-400 amps in negative and positive ground, as well as special models for Delco "CS" series alternators.

Also available are our Heavy-Duty external rectifier models; rated for up to 350-amp alternators.

FEATURES:

- Powder-coated heat sink for long-lasting, corrosion-resistant finish. **Silver Powder Coat finish is now our standard for ALL Isolators.**
- All internal components epoxy-potted for extreme durability, the unit is solid; no moving parts.
- Heavy-duty 2" wide diffuser bar
- Thermal heat transfer tape for cooler operation

FEATURES (Continued):

- 70 to 400-amp models available
- Models for Delco CS compatibility
- Underrated power-handling ability
- More cooling fins than competitors products, that allows faster heat dissipation.
- More models available to fit more applications
- Standard negative ground (Positive ground available on special order)



Meet the World's Most Powerful, 400 Amp Continuous Duty Dual Battery Isolator

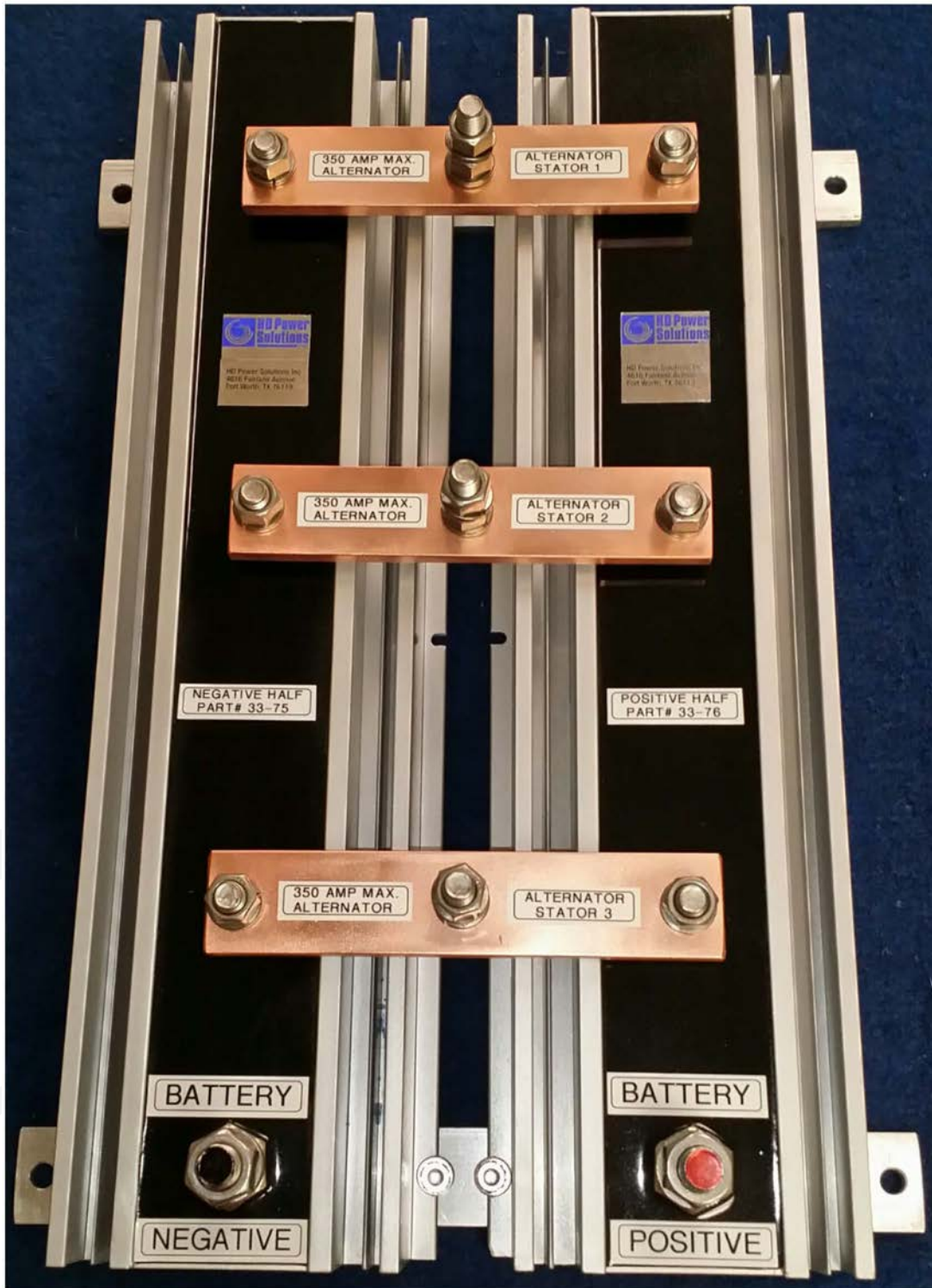
POWERLINE 33-53

- 2 Replaceable 800 Amp International Rectifier Hockey Puck Style, Super Heavy Duty Power Diodes
- 1/2" Stainless Steel Alternator Input Terminal
10 mm Battery 1 and Battery 2 Output Terminals
1/4" Nickel Plated 70 Amp Excitation Terminal
- 2" x 12" x 1/4" Nickel Plated Solid COPPER Power Bar, coupled to the Heat Sink with 3M Thermal Tape
- Powder Coated 6063 Extruded Aluminum Finned Heat Sink
- All Hardware is Nickel Plated for Corrosion Resistance and Diode Clamps Secured with Stainless Steel Bolts



POWERLINE

For Extreme Heavy Duty Applications and/or who prefer this set up, We Still Offer External Rectifiers Up To 350 AMPS!



POWERLINE 33HD SERIES ISOLATOR CONFIGURATIONS:

33-1	70 Amp. 1 Alt. 2 Batt.	33-45	190 Amp. 1 Alt. 2 Batt. Delco CS130 w/ Adaptor Harness
33-2	70 Amp. 1 Alt. 2 Batt. w/ Regulator Terminal	33-46	190 Amp. 1 Alt. 2 Batt. Delco CS130D w/ Adaptor Harness
33-3	70 Amp. 1 Alt. 3 Batt.	33-47	190 Amp. 1 Alt. 3 Batt.
33-4	70 Amp. 1 Alt. 4 Batt.	33-48	190 Amp. 2 Alt. 3 Batt.
33-5	70 Amp. 2 Alt. 2 Batt.	33-49	250 Amp. 1 Alt. 1 Batt.
33-6	70 Amp. 2 Alt. 2 Batt. w/ Regulator Terminal	33-50	250 Amp. 1 Alt. 2 Batt. w/ Excitation Term
33-7	70 Amp. 2 Alt. 3 Batt.	33-51	250 Amp. 1 Alt. 3 Batt. w/ Excitation Term
33-8	70 Amp. 1 Alt. 2 Batt. w/ Regulator Terminal	33-52	300 Amp. 1 Alt. 2 Batt. w/ Excitation Term
33-12	90 Amp. 1 Alt. 2 Batt.	33-53	400 Amp. 1 Alt. 2 Batt. w/ Excitation Term
33-13	90 Amp. 1 Alt. 2 Batt. w/ Regulator Terminal	33-54	200 Amp. Negative Rectifier (for 33-56)
33-14	90 Amp. 1 Alt. 2 Batt. Delco CS Alt. w/out kit	33-55	200 Amp. Positive Rectifier (for 33-56)
33-15	90 Amp. 1 Alt. 2 Batt. Delco CS130 Alt. w/Adaptor Harness	33-56	200 Amp. Rectifier Assembly
33-16	90 Amp. 1 Alt. 2 Batt. Delco CS130D Alt. w/ Adaptor Harness	33-57	250 Amp. Negative Rectifier (for 33-59)
33-17	150 Amp. 1 Alt. 1 Batt.	33-58	250 Amp. Positive Rectifier (for 33-59)
33-18	150 Amp. 1 Alt. 2 Batt.	33-59	250 Amp. Rectifier Assembly
33-19	150 Amp. 1 Alt. 2 Batt. w/ Regulator Terminal	33-60	250 Amp. Rectifier Assembly (Navistar)
33-20	150 Amp. 1 Alt. 2 Batt. Delco CS w/o Adaptor Harness	33-61	70 Amp. 1 Alt. 2 Batt. Positive Ground
33-21	150 Amp. 1 Alt. 2 Batt. Delco CS130 w/ Adaptor Harness	33-62	70 Amp. 1 Alt. 3 Batt. Positive Ground
33-22	150 Amp. 1 Alt. 2 Batt. Delco CS130D w/ Adaptor Harness	33-63	90 Amp. 1 Alt. 2 Batt. Positive Ground
33-23	150 Amp. 1 Alt. 3 Batt.	33-64	90 Amp. 1 Alt. 3 Batt. Positive Ground
33-24	150 Amp. 1 Alt. 3 Batt. w/ Regulator Terminal	33-65	150 Amp. 1 Alt. 2 Batt. Positive Ground
33-25	150 Amp. 1 Alt. 3 Batt. Delco CS w/o Adaptor Harness	33-66	150 Amp. 1 Alt. 3 Batt. Positive Ground
33-26	150 Amp. 1 Alt. 3 Batt. Delco CS130 w/ Adaptor Harness	33-67	160 Amp. 1 Alt. 2 Batt. Positive Ground
33-27	150 Amp. 1 Alt. 3 Batt. Delco CS130D w/ Adaptor Harness	33-68	160 Amp. 1 Alt. 3 Batt. Positive Ground
33-28	150 Amp. 2 Alt. 2 Batt.	33-69	190 Amp. 1 Alt. 2 Batt. Positive Ground
33-29	150 Amp. 2 Alt. 2 Batt. w/ Regulator Terminal	33-70	190 Amp. 1 Alt. 3 Batt. Positive Ground
33-30	150 Amp. 2 Alt. 3 Batt.	33-71	250 Amp. 1 Alt. 2 Batt. Positive Ground
33-31	150 Amp. 2 Alt. 3 Batt. w/ Regulator Terminal	33-72	250 Amp. 1 Alt. 3 Batt. Positive Ground
33-32	160 Amp. 1 Alt. 1 Batt.	33-73	300 Amp. 1 Alt. 2 Batt. w/ Excitation Term. Positive Ground
33-33	160 Amp. 1 Alt. 2 Batt.	33-74	400 Amp. 1 Alt. 2 Batt. w/ Excitation Term. Positive Ground
33-34	160 Amp. 1 Alt. 3 Batt.	33-86	Wire Adaptor for Delco CS130 Alternator
33-35	160 Amp. 1 Alt. 2 Batt. Delco CS w/o Adaptor Harness	33-87	Wire Adaptor for Delco CS130D & CS144 Alternator
33-36	160 Amp. 1 Alt. 2 Batt. Delco CS130 w/ Adaptor Harness	33-88	Excitation Lead Kit for Delco CS Alternator
33-37	160 Amp. 1 Alt. 2 Batt. Delco CS130D w/ Adaptor Harness	33-89	Conversion Lead Std Isolator to Delco CS Alternator
33-38	160 Amp. 1 Alt. 3 Batt. Delco CS w/o Adaptor Harness	33-94	300 Amp. 1 Alt. 2 Batt.
33-39	160 Amp. 1 Alt. 3 Batt. Delco CS130 w/ Adaptor Harness	33-112	250 Amp. Negative Rectifier (for 33-114)
33-40	160 Amp. 1 Alt. 3 Batt. Delco CS130D w/ Adaptor Harness	33-113	250 Amp. Positive Rectifier (for 33-114)
33-41	160 Amp. 2 Alt. 3 Batt.	33-114	250 Amp. Rectifier Assembly
33-42	190 Amp. 1 Alt. \ 75 Amp. 1 Alt. 3 Batt.	33-115	250 Amp. 1 Alt. 2 Batt.
33-43	190 Amp. 1 Alt. 2 Batt.	33-116	250 Amp. 1 Alt. 1 Batt.
33-44	190 Amp. 1 Alt. 2 Batt. Delco CS w/o Adaptor Harness		

MORE MODELS AVAILABLE
Special orders require a lead time

We no longer make some of these models, but are listed only for reference, in case our customers still has one.

POWERLINE CROSSOVER TO 33HD SERIES ISOLATORS

Our isolators have evolved over the years. From PLI-HD Series, to 22HD Series to the current 33HD Series. Use the chart below to convert your older Isolator to our new 33HD Series when replacing them.

For Example: If you have a *POWERLINE* 22-1 Isolator, our replacement unit for that model is a 33-1. Another example, if you have a PLI-2-70-2, our replacement unit for that model is a 33-5.

PLI-70	22-1	33-1
PLI-70-2	22-2	33-2
PLI-70-3	22-3	33-3
PLI-70-4	22-4	33-4
PLI-2-70-2	22-5	33-5
PLI-2-70-2R	22-6	33-6
PLI-2-70-3	22-7	33-7
PLI-2-70-3R	22-8	33-8
PLI-74-2	22-9	33-9
PLI-74-3	22-10	33-10
PLI-2-74-3	22-11	33-11
PLI-75-2MS	22-12	N/A*
PLI-90-2	22-13	33-12
PLI-90-2CS	22-14	33-14
PLI-90-2CSK	22-44	33-15
PLI-90-2R	22-15	33-13
PLI-130-2	22-16	33-18
PLI-130-2R	22-17	33-19
PLI-130-2CSK	22-18	33-21
PLI-130-2MS	22-19	N/A*
PLI-130-3	22-20	33-23
PLI-130-3CSK	22-21	33-26
PLI-130-3MS	22-22	N/A*
PLI-2-130-2	22-23	33-28
PLI-2-130-2R	22-24	33-29
PLI-2-130-3	22-25	33-30
PLI-2-130-3R	22-26	33-31
PLI-160-2	22-27	33-33
PLI-160-3	22-28	33-34
PLI-2-160-3	22-29	33-41
PLI-190-75-3	22-30	33-42
PLI-190-2	22-31	33-43
PLI-190-2MS	22-32	N/A*
PLI-190-3	22-33	33-47
PLI-2-190-3	22-34	33-48
PLI-240-2	22-35	33-50
PLI-240-2MS	22-36	N/A*
PLI-240-3	22-37	33-51
PLI-200REC	22-47	N/A*

*Call for replacement

Power that keeps the world moving!



HDPSI Quality Replacement Parts

If your looking for any replacement part(s) for an HDPSI product, call us at (800)443-9394.

Warranty:

- 12-month limited warranty from day of purchase.

HDPSI WARRANTY AND PRICING STRUCTURE



HDPSI's STANDARD LIMITED WARRANTY

PRODUCTS COVERED: Each Alternator, Voltage Regulator, Battery Isolator, Wiring Harness and External Rectifier manufactured and sold as new by HD Power Solutions, Inc. (HDPSI) is covered by the HDPSI Standard Limited Warranty. We will take care of all repairs and shipping back to you.

YOU ARE RESPONSIBLE FOR SHIPPING THE UNIT TO US. We'll pay to ship it back to you. (GROUND shipping is free. If you want it expedited, the option is there, but you have to pay the difference)

WARRANTY PERIOD AND CONDITION: HDPSI warrants each HDPSI product as new against failure due to defects in material or workmanship for a period of 12 months. HDPSI will, at its sole discretion, repair or replace on an Exchange Basis, any unit which is returned to HDPSI and found, to the satisfaction of HDPSI, to be defective in material and/or workmanship.

WARRANTY PERIOD AND START DATE: The HDPSI warranty starts when the end user purchases our product for installation and use, and extends through 12 calendar months thereafter. Proof of purchase is required when submitting warranty claims.

WHAT IS NOT COVERED: HDPSI does not assume responsibility for loss of any vehicle, including boats or any other equipment, loss of use of a vehicle. HDPSI shall not be liable for incidental or consequential damages arising out of, or from the use of, HDPSI products by the buyer, its assignees, employees, agents or customers.

This warranty does not apply if, in the sole judgment of HDPSI, the product has been damaged due to accident, improper installation, adjustment, wiring, neglect, misuse or installed in application for which it is not designed for, or if altered in any way so as to affect adversely its safety, reliability and/or performance.

Every alternator is marked with torque seal. If the torque seal is broken, the warranty will be voided and YOU are now responsible for repairs/replacement, shipping and labor cost.

HD Power Solutions, Inc. doing business as POWERLINE

POWERLINE HDPSI REBUILD LIMITED WARRANTY



HDPSI'S *REBUILD* LIMITED WARRANTY

All POWERLINE alternators that are sent to us to be rebuild, EVERY part that is replaced will have a 90 day warranty.

- ONLY the parts replaced have a 90 day warranty

What is not covered: HDPSI does not assume responsibility for loss of any vehicle, including boats or any other equipment, loss of use of a vehicle, loss of time, towing, telephone, travel, lodging, inconvenience, loss of revenues or cost of a replacement rental vehicle. HDPSI shall not be liable for incidental or consequential damages arising out of, or from the use of, HDPSI products by the buyer, its assignees, employees, agents or customers.

This warranty does not apply if, in the sole judgment of HDPSI, the product has been damaged due to accident, improper installation, adjustment, wiring, neglect, misuse or application for which it is not designed, or if altered in any way so as to affect adversely its safety, reliability and/or performance.



HDPSI'S WARRANTY PROCEDURE DURING YOUR 12-MONTH WARRANTY PERIOD

If your vehicle/boat is losing voltage...

- Locate the alternator, regulator, or isolator in the engine compartment
- Look for the POWERLINE tag or label.

If the tag/label is *POWERLINE*...

- Call HDPSI Technical Support at (800)443-9394
- Technical Support Personnel will walk you through steps to diagnose if the problem is with your *POWERLINE* product(s).

If there is a problem with your *POWERLINE* product...

- You will be directed where to have your *POWERLINE* unit repaired or replaced by HDPSI Technical Support.

HDPSI's RESTOCKING POLICY

Customers may return products for restocking at HDPSI within 90 days of purchase. Returned items must be in the same condition as they were originally shipped from HDPSI and there is a 35% restocking fee. For more information, call HDPSI.



HDPSI's PRICING STRUCTURE

As of 2021, HDPSI has made some changes to how we do business with our distributors. These changes have been made since our previous rules were no longer being followed. (*A quick summary of our previous rules: Distributors are to advertise and represent our products. Companies that have purchased a minimum of \$5,000 of HDPSI products in the previous 12 months qualify to become a distributor.*)

A lot of our "Distributors" were not meeting these requirements, yet, we still gave them the reduced price because they were once an established Distributor for us. This is not fair to our retail customers and its not fair to us. We're doing all the labor and drop-shipping the products to their customer and their making the same revenue, if not, more then us. If they were following the previous rules it would be perfectly fine, but that wasn't the case.

New changes: There's only 2 ways to become a distributor for HDPSI.

1): You are either already an existing customer OR you are willing to buy multiple units at once and hold our products on your shelf. To get distributor pricing, you must be an existing customer who has bought \$5,000 worth of our products in the past 12 months. If you never bought from us before and our looking to get distributor pricing, your "Cart Value" at checkout must be a minimum of \$2,000 worth of products (Before discount is applied; you will get 15% off the products.)

2): If you cant or don't want to hold our inventory for whatever reason and you haven't purchased \$5,000 worth of HDPSI Products in the past 12 months. You can still qualify for distributor pricing, but you will have to pay \$100 a month if you want us to drop ship your order for your customer. If you cancel your monthly payment and then would like to become a distributor again, you will have to pay for this month and last month, a total of \$200 to regain access to reduced pricing. Then continue to make a \$100 monthly payment to hold your position as a distributor. (First time distributors with monthly payment only pay \$100. If you cancel then try to get back on the distributor list, then you will have to pay that month and the previous month; a total of \$200 to regain distributor pricing.)



Distributor pricing will work as followed:

15% off MSRP:	\$0 - \$10,000
20% off MSRP:	\$10,001 - \$24,999
25% off MSRP:	\$25,000 - No Limit

The more you buy the bigger the discount opportunity. The sales amount from the previous 12 months is how we decide your discount percentage. The monthly fee will never change. (It could very well increase in the future, but you'll be grandfathered in at the price your paying, UNLESS you cancel and try to become a distributor again. Whatever our monthly fee is at that time, will be what you will need to pay to qualify for distributor pricing.



QnA over our New Distribution Pricing Structure

- **Why am I being charged now, when I wasn't paying anything before?**

If you're being charged now, it's because you, as the Distributor, were not following our guidelines. We do admit that's our fault for not holding the line, and we don't want to ruin any current relationships but we also want what's best for our company Long-Term, not Short-Term. As a distributor your main purpose is to help distribute our products to help get it in the customer's hands faster. If you refuse to hold our inventory in your warehouse then you're technically not a distributor. However, you can still qualify for the distributor pricing if you cannot meet the guidelines by paying a monthly fee of \$100.

- **What happens if I cancel the payments?**

When you cancel the monthly fee payment, you're still eligible to receive distributor pricing until the next scheduled payment. After the day of your next scheduled payment, you will now have to pay full price if you're not a distributor.

- **What happens if I miss my payment due date?**

You will be notified the day of the payment due date, if you haven't already paid it. We will gracefully give you 24 hours to make the payment. If this is a recurring issue, you will be given a warning and after the warning if it continues to happen, your account will be terminated. You can also avoid all of this by setting up an auto-payment.

- **Who can be a Distributor?**

Anyone who can follow the guidelines.

- **What if I want a bigger discount?**

If you want a bigger discount from the beginning, your monthly fee will be increased. Or you can purchase more within a 12-month period to receive a bigger discount.



Power that keeps the world moving!

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