



American Series A DynaVerter Dynamic DC to AC Power Inverters

With Series A dynamic inverters from Vanner, you can run a variety of tools and equipment, from motors, compressors, heaters and pumps to plastic pipe fusion equipment.



The 120Vac Power Source That Outperforms Generators

Vanner's Series A solid-state dynamic inverters provide up to 7200 watts of power from lightweight, precisely regulated units that are powered by your truck's alternator.

Dynamic Inverters operate:

- Motors, compressors, heaters and pumps
- Power tools and appliances
- Quartz and high pressure lights
- Video and radio equipment
- Pipe threaders
- Plastic pipe fusing equipment

Max Power from Vehicles Alternator at Low RPM's

Vanner's Series A inverters provide 120Vac, 60 Hz power from the DC output of a heavy-duty 12Vdc alternator. Our unique turbo-power voltage regulation technique provides 3600 to 7200 Watts of 120Vac power at low engine RPMs. Frequency is crystal-controlled and constant at 60 Hz regardless of engine speed. Vanner dynamic inverters are compact, lightweight and silent, saving hundreds of pounds and maintenance dollars over generator sets.

How it works when the inverter is off:

1. Relays bypass inverter transformer and connect alternator output directly to battery.
2. Alternator output is regulated by the inverter OFF voltage regulator.

How it works when the inverter is on:

1. Alternator output is switched to the inverter transformer and regulated to approximately 60V (40V for Model A40).
2. Alternator field regulation is switched to the inverter ON regulator.
3. Autothrottle (if used) automatically increases engine RPM to minimum required speed.
4. Inverter produces 120Vac power for operating AC loads and 14Vdc power for keeping the vehicle's electrical system charged.

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The following are recommended for a complete dynamic inverter system:

- Automatic Throttle: 73-46
- Wiring Harness with Loom: 20ft D05060 or Wiring Harness with Loom for a new installation: 30ft D05228
- Externally Regulated Alternator - see chart

Dynamic Inverter Performance Data							
Maximum Capacity	Inverter	Alternator (Leece Neville)	Minimum Alternator RPM Watts at 120Vac (To convert alternator RPM to engine RPM, divide by the crankshaft-to-alternator pulley ratio.)				
			1.2kW	2.4kW	3.6kW	4.8kW	6kW
3600 Watts	A30-70XG15	LN 75A (4400 Series)	2125	2700	3750	n/a	n/a
3600 Watts	A30-70XG15	LN 105A (4600 Series)	2925	3350	3925	n/a	n/a
4800 Watts	A40-120XG15	LN 130A (4700 Series)	2950	3475	4250	5600	n/a
4800 Watts	A40-120XG15	LN 145A (4800 Series)	2950	3350	3950	4650	n/a
6000 Watts	A60-120XG15	LN 105A (4600 Series)	2925	3350	3925	5150	7600
6000 Watts	A60-120XG15	LN 130A (4700 Series)	3675	4125	4675	5475	6450
6000 Watts	A60-120XG15	LN 145A (4800 Series)	3625	4000	4350	4700	5400

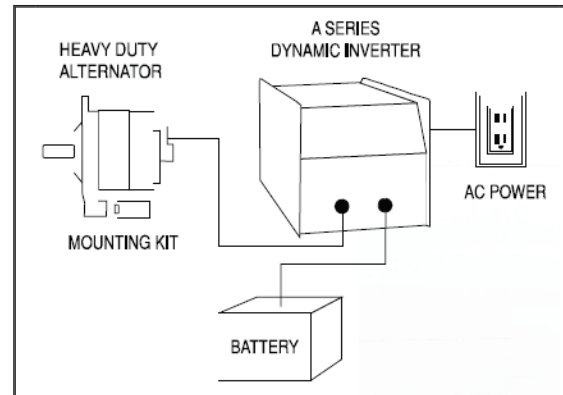
Vanner's policy is one of continuous improvement. We reserve the right to change specifications without notice.

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Dynamic Inverter Specifications						
Model	Output Watts (120Vac)	Output Amps (120Vac)	Surge Capacity	Max DC Amps Charging	Shipping Weight	Dimensions
A30-70XG15	3600	30	60	70	70 lbs	9.75" x 14.25" x 15"
A40-120XG15	4800	40	60	120	105 lbs	9.75" x 17.75" x 15"
A60-120XG15	6000	50	75	120	100 lbs	9.75" x 17.75" x 15"

Optional Accessories:

- Automatic Throttle Control - to automatically increase engine speed above required minimum when inverter is on (Kit 73-46).
- Remote Control with Voltmeter
- High output, low cut-in replacement alternators for optimum performance (consult customer service for specs).
- Small diameter alternator pulleys for maximum pulley ratio.
- 20 ft. Harness with Loom (D05060).
- 30 ft. Harness with Loom (D05228).
- Test Strip (D05022) for diagnostics.



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