



# POWERVERTER® 12/24 VOLT DC TO 120 VOLT AC INVERTERS & INVERTER/CHARGERS

POWER AC APPLIANCES, TOOLS AND EQUIPMENT WHEREVER YOU GO! **SIZING GUIDE ON BACK!**

## Heavy-Duty Inverters — PowerVerter® Plus

- 750 - 2400 Watt Continuous Output
- Heavy-Duty Construction
- Deliver PEAK SURGE Output for an EXTENDED Period

Application:  
**HEAVY-DUTY AC POWER FOR ALL MOBILE APPLICATIONS**

Made to withstand vibration and impact, PowerVerter Plus Inverters offer the ideal professional-grade power solution for heavy-duty applications. Delivering up to 200% peak surge power for an extended period, these Inverters handle equipment start-up and motor cycling requirements with ease. They also provide frequency-controlled output for peak equipment performance, plus high-efficiency operation to preserve battery power and lengthen runtime.



PV2000FC

Model	Input	Continuous Output*	Peak Output*	Outlets	Dimensions	Weight
PV750FC	12 volt	750 watts	1500 watts	2	7 x 8.75 x 9"	16 lb
PV1250FC	12 volt	1250 watts	2500 watts	2	7 x 8.75 x 9"	23 lb
PV2000FC	12 volt	2000 watts	4000 watts	2 (15/20-amp)	7.25 x 8.5 x 16.25"	39 lb
PV2400FC	24 volt	2400 watts	4800 watts	2 (15/20-amp)	7.25 x 8.5 x 16.25"	39 lb
APSRM4	Remote Control LED/Switch Module. Faceplate, cord, daisy-chain capability and ignition interlock capability.†					

## Compact/Lightweight Inverters — PowerVerter®

- 150 - 3000 Watt Continuous Output
- Ultra-Compact Portable and Permanent-Mount Options
- Deliver PEAK SURGE Output INSTANTANEOUSLY

Application:  
**PORTABLE AC POWER FOR ALL MOBILE APPLICATIONS**

Perfect for business travelers and vacationers, 150- and 375-watt models feature compact housings and simple connection to a vehicle's cigarette lighter. Combining secure mounting and high-wattage output, 700- to 3000-watt models are ideal for running multiple devices simultaneously. All models deliver instantaneous peak surge power to easily handle equipment start-up, plus high-efficiency operation to preserve battery power and lengthen runtime.



PV375



PV3000HF

Model	Input	Continuous Output*	Peak Output*	Outlets	Dimensions	Weight
PV150	12 volt	150 watts	300 watts	1	1.75 x 3.75 x 5.75"	1 lb
PV375	12 volt	375 watts	600 watts	2	2 x 4.25 x 7"	2 lb
PV700HF	12 volt	700 watts	1400 watts	3	2.76 x 8.17 x 4.96"	3 lb
PV1000HF	12 volt	1000 watts	2000 watts	4	4.25 x 6 x 13"	6 lb
PV1800HF	12 volt	1800 watts	3600 watts	4	4 x 6 x 15"	7 lb
PV3000HF	12 volt	3000 watts	6000 watts	4*	4 x 10.5 x 13.5"	13 lb
APSRM4	Remote Control LED/Switch Module. Faceplate, cord, daisy-chain capability and ignition interlock capability.††					

\* 2 x 15-amp; 2 x 15/20-amp

## Heavy-Duty Inverter/Chargers

(with Automatic Transfer Switching) — PowerVerter® APS, RV & EMS

- 750 - 3000 Watt Continuous Output
- Integrated 3-Stage Battery Chargers
- Heavy-Duty Construction
- Deliver PEAK SURGE Output for an EXTENDED Period

Application:  
**APS—RELIABLE BACKUP POWER FOR ALL APPLICATIONS**  
**RV—QUIET MOBILE POWER FOR RV/MARINE APPLICATIONS**  
**EMS—RELIABLE MOBILE POWER FOR AMBULANCE/EMS APPLICATIONS**

PowerVerter Inverter/Chargers feature an advanced 3-stage battery charger that recharges batteries faster than conventional chargers while protecting against over-charge and over-discharge. They provide up to 200% peak surge power, frequency-controlled output and high-efficiency operation. All models pass through filtered utility/shore power when available, automatically switching to battery during a blackout (stationary applications) or while driving (mobile applications). RV models feature Isobar® surge protection and moisture-resistant construction for marine applications. EMS models feature hospital-grade plugs and receptacles, APSRM4 remote module, and quick-connect battery connectors.



APS750



MRV2012UL

Model	DC Charger Output	Input	Continuous Output*	Peak Output*	Outlets	Dimensions	Weight
<i>APS Inverter/Chargers</i>							
APS750	20 amp	12 volt	750 watts	1500 watts	2	7 x 8.75 x 9"	17 lb
APS1250	30 amp	12 volt	1250 watts	2500 watts	2	7 x 8.75 x 9"	23 lb
APS2012	100/25 amp**	12 volt	2000 watts	4000 watts	Hardwire	7.25 x 8.5 x 16.25"	40 lb
APS2424	55/14 amp**	24 volt	2400 watts	4800 watts	Hardwire	7.25 x 8.5 x 16.25"	39 lb
APS2448UL	30 amp	48 volt	2400 watts	4800 watts	Hardwire	7.25 x 8.5 x 16.75"	39 lb
APS3636VR	30 amp	36 volt	3600 watts	7200 watts	Hardwire	7.25 x 8.5 x 16.25"	56 lb
<i>RV Inverter/Chargers</i>							
RV750ULHW	45/11 amp**	12 volt	750 watts	1500 watts	Hardwire	7 x 8.75 x 9"	16 lb
RV1012ULHW	55/14 amp**	12 volt	1000 watts	2000 watts	Hardwire	7.25 x 8.5 x 16.25"	27 lb
RV1250ULHW	55/14 amp**	12 volt	1250 watts	2500watts	Hardwire	7 x 8.75 x 9"	23 lb
RV1512UL	75/19 amp**	12 volt	1500 watts	3000 watts	Hardwire	8 x 10.75 x 17.5"	43 lb
MRV2012UL	100/25 amp**	12 volt	2000 watts	4000 watts	Hardwire	8 x 10.75 x 17.5"	43 lb
RV3012OEM	140/35 amp**	12 volt***	3000 watts	6000 watts	Hardwire***	9.75 x 11.5 x 16.75"	63 lb
<i>EMS Inverter/Chargers</i>							
EMS1250UL	55/14 amp**	12 volt	1250 watts	2500 watts	2 (Hospital-Grade GFCI)	7 x 8.75 x 9"	23 lb
APSRM4	Remote Control LED/Switch Module. Faceplate, cord, daisy-chain capability and ignition interlock capability.†††						



EMS1250UL

\* Maximum output power (Continuous or Peak Surge) only available when vehicle battery is properly charged. Run vehicle engine often to maintain proper charge. Actual wattage levels and durations for Peak Surge Output varies depending on battery age, battery charge level and ambient temperature. \*\* Charger capacity is user-selectable. \*\*\* Includes dual input/output connectors. † For all PowerVerter Plus models. †† For PV1000HF & PV1800HF models. Included FREE with PV3000HF. ††† For all APS & RV models. Included FREE with EMS1250UL. The policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice. Actual product may differ slightly from photos.

### Simultaneously Run Multiple Devices!

All Inverter and Inverter/Charger models\* can simultaneously run multiple devices so long as the total wattage of connected devices doesn't exceed the model's continuous wattage rating.

**Example—PV3000HF (3000 Watt Continuous Rating, 4 AC Outlets.)**

- Mixer/Blender: 300 Watts
  - Portable Vacuum:+ 550 Watts
  - 6" Circular Saw: + 950 Watts
  - Router: + 1000 Watts
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- Total: = 2800 Watts

\* Except PV150 and PVINT375 which cannot run multiple devices because they include only one AC outlet.

### PowerVerter Plus Heavy-Duty Inverters

- 750 - 2400 Watt Continuous Output
- Deliver PEAK SURGE Output for an EXTENDED Period
- Heavy-Duty Construction

### PowerVerter Compact/Lightweight Inverters

- 150 - 3000 Watt Continuous Output
- Deliver PEAK SURGE Output INSTANTANEOUSLY
- Ultra-Compact Portable and Permanent Mount Options

### PowerVerter APS, RV & EMS Heavy-Duty Inverter/Chargers (with Automatic Transfer Switching)

- 750 - 3600 Watt Continuous Output
- Deliver PEAK SURGE Output for an EXTENDED Period
- Integrated 3-Stage Battery Chargers
- Heavy-Duty Construction

Application	Typical Watts	PV750FC	PV1250FC	PV2000FC	PV2400FC	PV150	PV375	PV700HF	PV1000HF	PV1800HF	PV3000HF	APS750/RV750ULHW	RV1012ULHV	APS1250/RV1250ULHW/EMS1250UL	RV1512UL	APS2012/MRV2012UL	APS2424/APS2424UL	RV30120EM	APS3636VR
<b>Power Tools</b>																			
Finishing Sander	190	█	█	█	█														
5" Bench Grinder	220	█	█	█	█														
¼" Drill	300	█	█	█	█														
790° F Heat Gun	400	█	█	█	█														
Jigsaw	450	█	█	█	█														
Standard Reciprocating Saw	480	█	█	█	█														
4½" Disk Grinder	600	█	█	█	█														
½" Reversible Drill	700	█	█	█	█														
10 Gallon Wet/Dry Vacuum	900	█	█	█	█														
6" Circular Saw	950	█	█	█	█														
Router	1000	█	█	█	█														
14" Chain Saw	1200	█	█	█	█														
<b>Pumps</b>																			
¼ hp Submersible Sump Pump	880	█	█	█	█														
¼ hp Submersible Sump Pump	925	█	█	█	█														
½ hp Submersible Sump Pump	1050	█	█	█	█														
½ hp Submersible Sump Pump	1400	█	█	█	█														
<b>Audio/Video Equipment</b>																			
Video Game System	20	█	█	█	█														
VCR	30	█	█	█	█														
CD Changer/Mini System	50	█	█	█	█														
13" Color TV	80	█	█	█	█														
19" Color TV	160	█	█	█	█														
25" Color TV	220	█	█	█	█														
Stereo Amplifier	240	█	█	█	█														
<b>Appliances</b>																			
Can Opener	100	█	█	█	█														
12" 3-Speed Fan	250	█	█	█	█														
Mixer/Blender	300	█	█	█	█														
Food Processor	400	█	█	█	█														
Portable Vacuum	550	█	█	█	█														
Toaster Oven	1000	█	█	█	█														
Coffeemaker	1000	█	█	█	█														
Microwave Oven	1000	█	█	█	█														
<b>Mobile Office Equipment</b>																			
Battery Chargers	25	█	█	█	█														
Inkjet/Bubblejet Printer	40	█	█	█	█														
Laptop Computer	100	█	█	█	█														
Fax Machine	120	█	█	█	█														
14" Color Monitor	125	█	█	█	█														
Laser Printer	800	█	█	█	█														

### Sizing Guide Rule of Thumb:

Multiply the amps of your device x 120 to determine required wattage. (Example: A ¼" Drill requires 2½ Amps. 2½ Amps x 120 = 300 Watts)

**AMPS X VOLTS = WATTS**

Always choose an inverter with a rating greater than or equal to required wattage.

### Wire Gauge

PowerVerter models PV150 and PV375 include all necessary cabling. For models requiring user-supplied cables, contact Tripp Lite for complete wire gauge information.



**For More Information, Contact:  
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Tripp Lite has been a trusted manufacturer of innovative solutions for over 90 years!