

PowerVerter 120V 2000W Utility/Work Truck 12VDC Inverter/Charger, 2 NEMA 5-15R GFCI

MODEL NUMBER: UT2012UL



Features

- 16.6 millisecond automatic transfer between line and battery power supports UPS protection for equipment compatible with a one cycle transfer time
- 2000W continuous AC output in inverter mode, 4000W continuous AC output in AC mode
- DoubleBoost output supports momentary startup loads of up to 200% of the continuous rating for up to 10 seconds - OverPower output supports duration overloads to 150% for 1-60 minutes under ideal battery and temperature conditions
- 3-stage selectable 15/60 Amp battery charger with adjustable settings for wet/gel/AGM battery types
- 2 NEMA 5-15R GFCI protected outlets pass 120V line power or inverter output through to connected equipment
- 3 position operating mode switch supports "AUTO" mode to enable automatic transfer between DC and AC modes, CHARGE ONLY to maintain a full battery charge when AC is present without auto transfer and SYSTEM OFF settings
- Set of 6 front panel LED's display continuous status
- Set of 4 dip switches support wet/gel/AGM battery charging profiles, adjustable 135/145V high voltages and selectable 75/85/95/105V AC low voltage auto transfer during brownouts
- Set of 4 additional dip switches support 4 levels of charger limiting relative to output load size, a battery equalization program and battery charger low/high settings
- Resettable 25A charger AC input breaker and settable 20A AC output breaker and automatic 2-speed cooling fan
- Automatic overload and thermal (overheating) shutoff
- Front panel remote control connector enables remote off/on switching with included APSRM4 remote
- Load sensing control dial enables adjustable load threshold required to automatically turn the inverter on and off in DC mode as load conditions change
- Includes a battery temperature sensor with 20-ft. (6.09 m) cable to prolong battery life by adjusting the charge level based on battery temperature

Specifications

Highlights

- 12V DC or 120VAC input; 120VAC output; 2 GFCI protected outlets
- 2000 watts continuous, 3000 watts OverPower and 4000 watts
- DoubleBoost inverter output
- 3 stage, 60A / 15A selectable wet / gel / AGM cell battery charger
- Built-in Isobar® premium AC surge protection and Auto Transfer
- Switching option for battery backup / UPS operation
- Meets OSHA requirements

Package Includes

- UT2012UL Inverter/Charger
- APSRM4 Remote
- Remote battery temperature sensor cable
- Instruction manual with warranty information



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OVERVIEW	
UPC Code	037332123565
INPUT	
Nominal Input Voltage(s) Supported	120V AC
Recommended Electrical Service	DC INPUT: Requires 12VDC input source capable of delivering 192A for the required Duration (when used at full continuous capacity- DC requirements increase during Over-Power and Double-Boost operation). AC INPUT: 15A 120VAC recommended.
Input Connection Type	DC INPUT: set of two (2) DC bolt-down terminals. AC INPUT: NEMA 5-15R GFCI input plug
Input Cord Length Details	DC INPUT: User supplies cabling. 6 gauge or larger (see manual) AC INPUT: attached 6ft. AC line cord with plug
Voltage Compatibility (VAC)	120
Voltage Compatibility (VDC)	12
OUTPUT	
Frequency Compatibility	60 Hz
Pure Sine Wave Output	No
Output (Watts)	2000
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(2) 5-15R
Continuous Output Capacity (Watts)	2000
Output Nominal Voltage	120V
Output Voltage Regulation	LINE POWER (AC): Maintains 120V nominal sine wave output from line Source. Inverter Power (AC) Maintains PWM sine wave output voltage of 120 VAC (+/- 5%)
Output Frequency Regulation	60 Hz (+/- 0.3Hz)
Overload Protection	Includes 25A input breaker dedicated to the charging system and 20A output breaker for AC output loads
Outlet Details	2 NEMA 5-15R GFCI protected outlets
BATTERY	
Expandable Battery Runtime	Runtime is expandable with any number of user supplied wet or gel or AGM type batteries
Expandable Runtime	Yes
DC System Voltage (VDC)	12
Battery Pack Accessory (Optional)	 98-121 sealed lead acid battery (optional)
Battery Charge	15A / 60A (selectable)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	Set of (6) LEDs offer continuous status information on load percentage (6 levels reported) and battery charge level (7 levels reported) See manual for sequences



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Switches	3 position on / off remote switch enables simple on / off power control plus "auto/ remote"
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	600
PHYSICAL	
Material of Construction	Polycarbonate
Cooling Method	Multi-speed fan
Form Factors Supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
Receptacle Color	White
Shipping Dimensions (hwd / cm)	32.51 x 36.58 x 49.78
Shipping Dimensions (hwd / in.)	12.80 x 14.40 x 19.60
Shipping Weight (kg)	20.96
Shipping Weight (lbs.)	46.20
Unit Dimensions (hwd / in.)	7.25 x 8.5 x 16.25
Unit Dimensions (hwd / cm)	18.42 x 21.59 x 41.28
Unit Weight (lbs.)	40.6
Unit Weight (kg)	18.42
ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
LINE / BATTERY TRANSFER	
Transfer Time (Line Power to Battery Mode)	16.6 milliseconds (typical -compatible with many computers, servers and networking equipment -verify transfer time compatibility loads for UPS applications)
Low Voltage Transfer to Battery Power	In AC "auto" mode, inverter / charger switches to battery mode as line voltage drops to 75V (user adjustable to 85,95,105 -see manual)
High Voltage Transfer to Battery Power	In AC "auto" mode, inverter / charger switches to battery mode as line voltages increases 135V (user adjustable to 145 -see manual)
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 458
Product Compliance	RoHS
WARRANTY	
Product Warranty Period (U.S. & Canada)	30-month limited warranty
Product Warranty Period (International)	1-year limited warranty
Product Warranty Period (Mexico)	30-month limited warranty



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Product Warranty Period (Puerto Rico)	30-month limited warranty
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