



## POWERVERTER APS INT SERIES INVERTER/CHARGER 2000 WATTS

### SPECIFICATIONS

#### SYSTEM OVERVIEW

<b>System overview:</b>	Inverter / charger system with automatic transfer switching between DC and AC modes
<b>Voltage compatibility:</b>	12VDC / 230VAC
<b>Frequency compatibility:</b>	50 Hz

#### OUTPUT

<b>Output watt capacity (watts):</b>	INVERTER MODE - 2000 watts continuous, Double Boost™ rated to 4000 watts peak (u p to 10 seconds) Overpower™ rating supports longer term overloads to 3000 watts for up to 15 seconds prior to inverter shutoff.
<b>Output nominal voltage:</b>	230VAC nominal
<b>Output voltage regulation:</b>	LINE POWER (AC): Maintains 230V nominal sine wave output from line power source. INVERTER POWER (AC): Maintains PWM sine wave output voltage of 230 VAC (+/-5%).
<b>Output frequency regulation:</b>	50 Hz (+/- 0.3 Hz)
<b>Outlet quantity / type:</b>	Hardwire AC output
<b>Overload protection:</b>	Includes 10A input breaker dedicated to the charging system and 15A output breaker for AC output loads

#### INPUT

<b>Maximum input amps / watts:</b>	DC INPUT: Full continuous load - 192A at 12VDC. AC INPUT: 17 amps at 230VAC with full inverter and charger load (8.7A max charger-only / combined input load to support char ger and AC output is automatically controllable to 66%-33%-0% based on AC output loading using the charger limiting set points - see manual for setting instructions)
<b>Input connection type:</b>	DC INPUT: Set of 2 DC bolt-down terminals. AC INPUT: Hardwire via built in junct on box with cover plate
<b>Input cord length:</b>	DC INPUT: User supplies cabling. 4 gauge or larger (see manual). AC INPUT: user supplies hardwire input cabling
<b>Recommended electrical service:</b>	DC INPUT: Requires 12VDC input source capable of delivering 192A for the required duration when used at full continuous capacity - DC require ments increase during OverPower™ and DoubleBoost™ operation). For automotive applications, professional hardwire installation with 400A minimum battery system fusing is recommended.

## BATTERY

<b>DC system voltage:</b>	12 VDC
<b>Battery recharge rate:</b>	Selectable 15 / 60 amp
<b>Expandable battery runtime:</b>	Runtime is expandable with any number of user supplied wet or gel type batteries

## LEDS ALARMS & SWITCHES

<b>Front panel LEDs:</b>	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.
<b>Switches:</b>	3 position on/off/remote switch enables simple on/off power control plus "auto/remote" setting that enables distant on/off control of the inverter system when used in conjunction with optional APSRM4 accessory when used in inverter mode. In AC uninterruptible power mode, "auto/remote" setting enables automatic transfer from line power to battery power - to maintain continuous AC power to connected loads.

## PHYSICAL

<b>Shipping weight (lbs):</b>	46
<b>Shipping weight (kg):</b>	20.9
<b>Unit weight (lbs):</b>	42
<b>Unit weight (kg):</b>	19.1
<b>Unit Dimensions (HWD/in):</b>	7 x 8.5 x 14
<b>Unit Dimensions (HWD/cm):</b>	17.8 x 21.6 x 35.6
<b>Shipping Dimensions (HWD/in):</b>	13.5 x 15 x 21.5
<b>Shipping Dimensions (HWD/cm):</b>	34.3 x 38.1 x 54.6
<b>Material of construction:</b>	Polycarbonate
<b>Form factors supported:</b>	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
<b>Cooling method:</b>	Multi-speed fan

## ENVIRONMENTAL

<b>Operating Temperature:</b>	32-104 Fahrenheit / 0-40 Celcius
<b>Relative Humidity:</b>	0-95% non-condensing

## LINE / BATTERY TRANSFER

<b>Transfer time from line power to battery mode:</b>	20 milliseconds (typical - compatible with many computers, servers and networking equipment - verify)
<b>Low voltage transfer to battery power:</b>	In AC "auto" mode, inverter/charger switches to battery mode as line voltage drops to 144V (user adjustable to 163, 182, 201V - see manual)
<b>High voltage transfer to battery power:</b>	In AC "auto" mode, inverter/charger switches to battery mode as line voltage increases to 259V (user adjustable to 264 - see manual)

## WARRANTY

<b>Product warranty:</b>	(Outside the U.S. and Canada, call for warranty information)
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## SPECIAL FEATURES

<b>Appearance:</b>	Black color
<b>Load Sensing:</b>	Optional load sense function enables automatic inverter shutoff and startup as connected equipment is powered off and on. Front panel load sense potentiometer can be set to shutoff or turn on inverter power in response to loads of any level, up to 150 watts.

## BATTERY PACK ACCESSORY (optional)

<b>Battery Pack Accessory (optional):</b>	98-121 sealed lead acid battery (optional)
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\* Errors expected and possible alterations without prior notice

**GREEN ENERGY LLC / GESOLAR FZ LLC**  
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