



CAPSX 6048 VR

SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	Inverter/chargersystemwithautomaticvoltage regulationandautomatictransferswitching between DC and AC modes and pure sinewave output
Voltage compatibility:	48 VDC; 208/230V AC
Frequency compatibility:	50 / 60 Hz

OUTPUT

Output watt capacity (watts):	INVERTER MODE - 6000 watts continuous, Double Boost ratedto12000wattspeak(upto 10 seconds). Overpower up to 60 seconds prior to inverter shutoff.
Output nominal voltage:	208/230 VAC nominal
Output voltage regulation:	LINEPOWER(AC):Maintains 208/230V nominal sinewave out put from linepower. INVERTER POWER (AC): Maintains sine wave output voltage of 208/230 VAC (+/-5%).
Output frequency regulation:	50/60 Hz (+/- 0.3 Hz)
Outlet quantity / type:	Hardwire AC output

INPUT

Maximum input amps / watts:	DCINPUT:Full continuous load-145Aat48VDC.AC IN PUT:30amps at 208/230VAC with fullinverterandchargerload
Input connection type:	DC INPUT: Set of DC bolt-down terminals. AC INPUT: Hardwire via built in terminal strip with cover plate
Input cord length:	DC INPUT: User supplies cabling. 4 gauge or larger (see manual). AC INPUT: user supplies hardwire input cabling
Recommended electrical service:	DC INPUT: Requires 48VDC input source capable of delivering 138A for the required duration (when used at full continuous capacity - DC requirements increase during OverPower and DoubleBoost operation). For automotive applications, professional hardwire installation with 250A minimum battery system fusing is recommended.

BATTERY

DC system voltage:	48 VDC
Battery recharge rate:	Selectable 23 / 90 amp
Expandable battery runtime:	Runtime is expandable with any number of user supplied wet or gel type batteries

VOLTAGE REGULATION

Voltage regulation description:	Includes automatic voltage regulation to correct brownouts and overvoltages back to usable levels
Overvoltage correction:	Overvoltages are automatically reduced by 10%
Brownout correction:	Brownouts are automatically boosted by 10% and 20%

LEDS ALARMS & SWITCHES

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.
Switches:	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.

CAPSX 6048 VR**SPECIFICATIONS****PHYSICAL**

Shipping weight (lbs):	125
Shipping weight (kg):	56.25
Unit weight (lbs):	106
Unit weight (kg):	47.7
Unit Dimensions (HWD/in):	10 x 9 x 19.5
Unit Dimensions (HWD/cm):	25.4 x 23 x 49.5
Shipping Dimensions (HWD/in):	17 x 14.2 x 24
Shipping Dimensions (HWD/cm):	43.2x 36.1 x 61
Material of construction:	Metal
Cooling method:	Dual multi-speed fan

ENVIRONMENTAL

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

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode:	Dip-switch selectable 20 millisecond (full cycle) / 10 millisecond (half-cycle) transfer times which are compatible with many computers, servers and networking equipment - verify transfer time compatibility of loads for UPS applications
Low voltage transfer to battery power:	In 230V AC "auto" mode, inverter/charger switches to battery mode as line voltage drops to 170V AC (user adjustable to 180V). In 208V AC "auto" mode, inverter/charger switches to battery mode as line voltage drops to 165V (user adjustable to 175V)-see manual
High voltage transfer to battery power:	In 230V AC "auto" mode, inverter/charger switches to battery mode as line voltage increases to 260V (user adjustable to 270 - see manual), In 208V AC "auto" mode, inverter/charger switches to battery mode as line voltage increases to 235V (user adjustable to 245V-see manual)

CERTIFICATIONS

Certifications:	RoHS compliant
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WARRANTY

Product warranty:	(Outside the U.S. and Canada, call for warranty information)
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SPECIAL FEATURES

TVSS grounding:	Main grounding lug connects inverter/charger to earth or vehicle chassis ground
Appearance:	Black color
Load Sensing:	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)

Battery Pack Accessory (optional):	98-121 sealed lead acid battery (optional)
	* Errors expected and possible alterations without prior notice.

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