

# DEFENDER

## INVEREX - 500

**Modified Sine Wave Inverter Ideal to Long Backup  
for Home and Office Appliances**



**The INVEREX 500 converts DC power into AC power. With a continuous output and compact design, the unit is ideal for running TVs, Stereos, Laptop and Desktop computers and other home appliances. INVEREX 500 will automatically transfer to inverter and provide power when AC supply is interrupted unexpectedly.**

- User selectable for accepting wider input voltage range
- Full automatic and silent operation
- Rack Tower design
- High frequency design
- Off mode charging
- Available in five AC outlet configurations: NEMA, Schuko, French, India and BS1363
- Compact size for convenient use and storage
- Built-in 8Amp super charger for up to 100Ah battery
- Small scale and cost effective inverter for home appliances and office equipment
- Two-steps intelligent charging control to reduce the recharging time

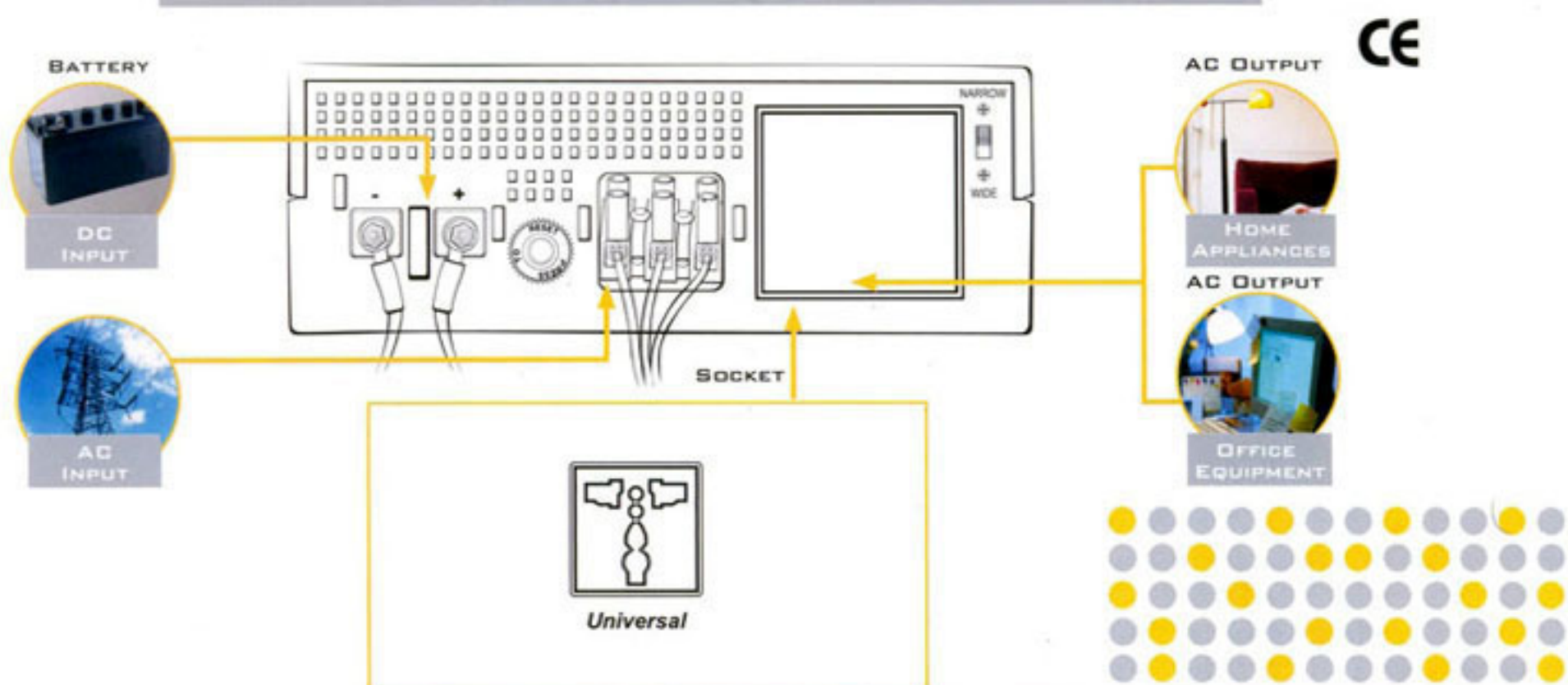
Powering Your Connection

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## INVEREX SPECIFICATION

MODEL		INVEREX 500-I
CAPACITY	VA/W	500VA/ 300W
INPUT	Nominal Voltage	110/120VAC or 220/230/240VAC
	Voltage Range	90-145VAC or 170-280VAC (Narrow Range)
		50-145VAC or 90-280VAC (Wide Range)
OUTPUT	Voltage	120VAC or 230VAC
	Voltage Regulation (Bat. Mode)	10% / -18%
	Frequency	50Hz or 60Hz
	Frequency Regulation (Bat. Mode)	+/-0.1 Hz
	Output Waveform	Modified Sinewave
BATTERY & CHARGER	Charger Current	10 Amp +/- 1Amp
	DC Voltage	12V
	Overcharge Protection	15V
TRANSFER TIME	Typical	15ms Typical, 50ms Max.
EFFICIENCY	AC to AC	>95%
	DC to AC	>80%
INDICATOR	AC Mode	Green lighting
	Battery Mode	Yellow lighting
	Battery Charging Mode	Green flashing every 2 second
	Overload	Red flashing every 0.5 secon
	Fault	Red lighting
AUDIBLE ALARM	Low Battery at Battery Mode	Sounding every 2 seconds
	Overload	Sounding every 0.5 second
	Fault	Continuously sounding
PROTECTION	Full Protection	Discharge, overcharge, and overload protection
PHYSICAL	Dimension DxWxH (mm)	224 X 255 X 80
	Net Weight (kgs)	2.0
ENVIRONMENT	Operating Environment	0- 40°C, 0-90 % relative humidity (non-condensing)
	Noise Level	Less than 50dB

\* Product specifications are subject to change without further notice



**VENCE**  
Power to Perfection