

DEFENDER



InverSine

Pure Sinewave Inverter

**Total Solution “All in One”
Inverter + Charger + Transfer Switch
+ Solar Power in One package**

InverSine Pure Sine Wave Inverter provides a superior AC source of power for your complex electrical requirements and frequency sensitive equipment such as Air conditioners, refrigerators, TV, home appliances, consumer electronic and office equipment. It is also combined with a selectable multistage battery charger in-built intelligent charger automatically charges any type of batteries without any risk of overcharge. The compact & modular design make utility interactive installations easier and more cost effective.



VENCE
Power to Perfection

Features

Multiple Microprocessor design base	DC start and automatic self-diagnostic function
Compatible with both linear & non-linear load	THD less than 3%
stronger charger to support batteries of 500Ah up	High efficiency design to save electricity
24 hours operation on the inverter	Low heat dissipation in long time operation
Removable control panel with LCD	Designed to operate under harsh environment
Parameter Pre-settable	3u 19" Rack Mount Design or Wall Mounted Design

Model		InverSine 1.2K	InverSine 2.4K	InverSine 3.6K	InverSine 5K	InverSine 6K
Capacity		1.2kVA / 800W	2.4kVA / 1600W	3.6kVA / 2400W	5kVA / 4000W	6kVA / 6000W
Input	Nominal Voltage	220VAC				
	Voltage Range	Acceptable Voltage Range	120 - 270VAC			
		Frequency	50Hz / 60Hz			
		Line Low Transfer	120VAC \pm 2%			
		Line Low Return	130VAC \pm 2%			
		Line High Transfer	270VAC \pm 2%			
		Line High Return	260VAC \pm 2%			
Output	Voltage	270VAC (230VAC or 240VAC re-settable via LCD panel)				
	Voltage Regulation (Batt. Mode)	<3% RMS for entire battery voltage range				
	Frequency	50Hz or 60Hz				
	Frequency Regulation (Batt. Mode)	\pm 0.1Hz				
	Power Factor	0.67	0.8	1		
	Waveform	Pure Sinewave				
Transfer Time	Typical	<8ms				
Battery	Battery Voltage	12V DC	24V DC		48V DC	
	Backup Time (at full load)	Designed to operate long hours				
	Max. Charging Current(3 setup selectable)	>40A	>50A	60A		
Solar Power	Solar Power Server 50A	Optional			Included	
Display	LCD	UPS status, I/P&O/P Voltage Frequency, Load%, Battery Voltage & %, Temperature, Mode				
Audible Alarm	LED	Normal (Green), Warning (Yellow) Fault (Red)				
	Battery Mode	Beeping every 4 seconds				
	Low Battery	Beeping every second				
	UPS Fault	Beeping continuously				
	Overload	Beeping twice per second				
	Operation Temperature	0-40 degree C 32-104 degree F				
Environment	Relative Humidity	0.95% non-condensing				
	Audible Noise	Less than 55dBA (at 1M)				
Physical	Net Weight (Kg)	12	24	31.50	45	46
	Dimension (WxHxD) mm Rack Mount	440*132*292	440*132*360	440*132*360		
	Wall Mounted (WxHxD)mm	298*390*149	298*450*190	298*450*190	390*550*235	390*550*235