



**3000VA
TO
10000VA**



PROFESSIONAL GRADE HIGH-POWER INVERTER

UPS-INV SERIES AUTOMATIC POWER SYSTEM
PORTABLE POWER FOR WORK OR RECREATION

Champion versatile inverter series of high efficiency DC to AC inverter offers an alternative source of affordable AC power in both off grid and emergency situations. This power inverter directly connects to a 24/48 volt battery for instant 230 volt AC power. Power televisions, electronics and other small appliances hassle-free! This power inverter produces clean, convenient power, keeping appliances active for hours. Whether you are powering the TV to watch the big game at the campsite or the boom box at the company picnic, this power inverter is a great portable power source.



CLEANER, GREENER BACKUP POWER: BETTER FOR YOU, YOUR EQUIPMENTS & THE ENVIRONMENT

Comparing to traditional generators, this inverter produces stable, microprocessor controlled voltage with no-fumes, no-fuel or excess noise. This is ideal for backing up generators with a more reliable source of power for uninterrupted equipment operation.

HIGH PERFORMANCE

Recommended for

**MOTOR DRIVEN EQUIPMENT
REFRIGERATORS
MICROWAVE OVENS
HEAVY INDUCTIVE LOADS**

HIGH EFFICIENCY OUTPUT



Greater than 90% efficiency transfer of battery lets you get the most from your battery charge.

PEAK POWER SURGE SUPPORT



Start-up electric motors and other heavy inductive load equipment with short period continuous output.

FRONT PANEL LED



Display complete status information, including line power, inverter operation, overload and battery voltage level.

ADVANCED OPERATION SETTING



Maximize operating efficiency with customizable load share and charge equalization settings on select models.

ADVANCED 3-STAGE BATTERY CHARGER



Provides fast, safe battery recharge & charge maintenance with 3-stage bulk, absorption & charging sequence.

AUTOMATIC OVERLOAD PROTECTION



Protect UPS-INV system and connected batteries from damaged due to system overload.

BATTERY TYPE SELECTOR



Adjust absorption and float voltage levels to offer rapid recharge of both sealed gel cells & vented wet cell batteries.

Specifications

MODEL	INV-3000	INV-6000	INV-10000
INPUT			
Mains Input	230VAC (Nominal)		
Input Voltage Range : UPS / Inverter	180VAC - 265VAC \pm 2% / 155VAC - 265VAC \pm 2%		
Input Frequency	50Hz \pm 3Hz		
Short Circuit Protection	Circuit Breaker		
OUTPUT			
Capacity	3000VA/2400W	6000VA/4800W	10000VA/7000W
Output Voltage	230V \pm 10% (On Battery Mode)		
Output Frequency	50Hz \pm 3 Hz (AC Mode); 50Hz \pm 0.3 Hz (Battery Mode)		
Power Factor	0.7 - 1		
Nominal Efficiency	>88%		
Output Waveform	Pure Sine Wave		
Overload Capacity	110% for 60 sec, >150% for 20 sec		
BATTERY			
Type	External Battery		
Battery Voltage	24V (12V x 2 Nos)	48V (12V x 4 Nos)	48V (12V x 4 Nos)
Battery Charging Voltage	27.4V (Max)	54.8V (Max)	54.8V (Max)
Battery Charging Current	28A	28A	44A
Battery Low Alarm	21VDC \pm 0.6V	42VDC \pm 1.2V	42VDC \pm 1.2V
Battery Shutdown Voltage	20VDC \pm 0.6V	40VDC \pm 1.2V	40VDC \pm 1.2V
Battery Charging Mode	Boost / Floating Mode		
ALARMS & DISPLAY (LED & LCD)			
Audible Alarm	Battery Mode, Battery Low, Overload, Over Temperature		
LED : AC Normal	Green LED		
: Inverter	Green LED		
: Battery Low / Fault	Red LED		
: Charging Status	Yellow LED blinking		
LCD	Display Status and Parameters		
ENVIRONMENTAL			
Ambient Operation	0-90% Non Condensing, 0-40 deg C		
Communication Port	RS-232 / USB / SNMP - Optional		
PROTECTIONS			
Mains Mode	Input / Output Circuit Breakers		
Backup	Inverter shutdown in case of overload / short-circuit		
Battery Overcharge / Deep Discharge	Alarm followed by inverter Shutdown		
PHYSICAL			
Dimension (DxWxH) (mm)	430x215x375	460x265x475	485x325x600
Net Weight	32 kgs	52 kgs	72 kgs

* Specifications are subject to change without notice.

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