



3000W
&
6000W



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
INPUT		
Mains Input	230VAC (Nominal)	
Input Voltage Range	184VAC - 263VAC \pm 4%	
Input Frequency	50Hz \pm 3Hz	
Short Circuit Protection	Circuit Breaker	
OUTPUT		
Capacity	3000VA/3000W	6000VA/5500W
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 - 1	
Nominal Efficiency	>88%	
Output Waveform	Pure Sine Wave	
Surge Capacity	6000W	11000W
Motor Starting Capacity	2 HP	
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)
Battery Charging Voltage	27.4V (Max)	54.8V (Max)
Battery Charging Current	35A / 70A	
Battery Low Alarm	21VDC \pm 0.6V	42VDC \pm 1.2V
Battery Shutdown Voltage	20VDC \pm 0.6V	40VDC \pm 1.2V
Battery Charging Mode	Boost / Floating Mode	
INDICATORS		
AC Normal	Green LED	
Inverter	Orange LED	
Battery Low / Overload / Fault	Orange LED with alarm	
Charging Status	Yellow LED blinking with various combination	
PROTECTIONS		
Mains Mode	Mains Fuse	
Backup	Inverter shutdown in case of overload / short-circuit	
Battery Deep Discharge	Inverter shutdown at permissible battery low limit	
PHYSICAL		
Dimension (HxWxD) (mm)	254x229x318	254x229x495
Net Weight	39.5 kgs	56.7 kgs

* Specifications are subject to change without notice.



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