

## IMPERIUM 3000W INVERTER

PURE SINE WAVE POWER INVERTER - 3000W  
PRODUCT SPECIFICATION



**Part Number**

IMP005



## FEATURES

- Input & output fully isolated.
- USB output port.
- High Surge: high surge current capability can power high demand loads, such as TVs, camping accessories, motors and other inductive loads.
- Soft start: smooth start-up of the appliances.
- Pure Sine Wave Output Waveform: clean power for sensitive loads.
- AC output: identical to, and in some cases better, than the power supplied by the grid.
- Cooling Fan: activated by load or temperature.
- Low Total Harmonic Distortion: below 3%
- Remote Control: comes with the kit, for optional usage if required.

**SPECIFICATION**

MODEL		IMP005		
AC VOLTAGE		220/230/240VAC		
RATED POWER		3000W		
SURGE POWER		6000W(for few seconds)		
OUTPUT	USB	5V,500mA(optional)		
	WAVEFORM	Pure Sine Wave(THD<3%)		
	FREQUENCY	50/60Hz 3Hz		
	AC REGULATION	± 5%		
LED INDICATOR		Green for power on, red for failure or protection status indication		
NO LOAD CURRENT DRAW		≤ 1.6A		
INPUT	DC VOLTAGE	12V	24V	48V
	VOLTAGE RANGE	10.5~15.0VDC	21.0~30.0V DC	42~60V DC
	EFFICIENCY (Typ.)	>87.0%	>90.0%	>90.0%
	FUSE	50A*6	25A*6	15A*6
	DC CABLE (60CM)	BVR4*6	BVR4*4	BVR4*6
	BAT.LOW ALARM	11±0.5V DC	22±1V DC	44±2V DC
BAT.LOW SHUTDOWN	10.5±0.5V DC	21.0±1V DC	42±2V DC	
OVERLOAD		Shutdown		
PROTECTION	OVER VOLTAGE	14.8±0.5V DC	29.6±1V DC	58.4±2V DC
	OVER TEMPRETURE	Shut-off output voltage, recover automatically after temperature goes down		
	SHORT CIRCUIT	Shut-off output voltage, repower on to recover		
	BAT.REVERSE POLARITY	By fuse open		
	SOFT START	Yes 5~10s		
GROUNDING PROTECTION		Yes		

MODEL	IMP005			
<b>ENVIRONMENT</b>	RESET VOLTAGE AFTER LVS	11.8~12.8V DC	23.6~25.6V DC	47.2~51.2V DC
	WORKING TEMP.	0 - 40°C		
	WORKING HUMIDITY	20%-90% RH non-condensing		
<b>SAFETY &amp; EMC</b>	STORAGE TEMP.& HUMIDITY	-30°C-70°C 22°F-185°F, 10-95%		
	SAFETY STANDARDS	UL458(only for GFCI receptacle)		
	ISOLATION RESISTANCE	I/P-O/P: 1000Ohms/500VDC		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class A		
	EMS IMMUNITY	Compliance to EN61000-3-2, 3		
	LVD	Compliance to EN60950-1: 2006+A11:2009		
	E- MARK	Compliance to E8*72/245/EEC, 95/54/EC		
	AS/NZS Certification	Compliance to AS/NZS 61000.6.3:2012 and AS 4763:2011		
	REMOTE CONTROL	Switch with 5m wire (optional)		
	DIMENSION	488*230*108mm		
<b>OTHERS</b>	PACKING	7.8Kg, 2pcs/18.9Kgs/Ctn(56*32*40cm)		
	COOLING FAN	Control by load/temperature(optional)		
APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems .....etc.			
<b>INSTALLATION</b>				

Soft Start  
 High Efficiency  
 Turbo Cooling fan

Universal Protection Circuit  
 → Battery Low Shutdown, Overload, Earth fault, Short circuit, Over-temperature

Compact Design

L.I.T Low Interference Technology

USB 5V 500mA

New Energy Solution

Mobile AC Source

100% pure sine wave output, better than public power.

# Imperium

INVERTER 3000W

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