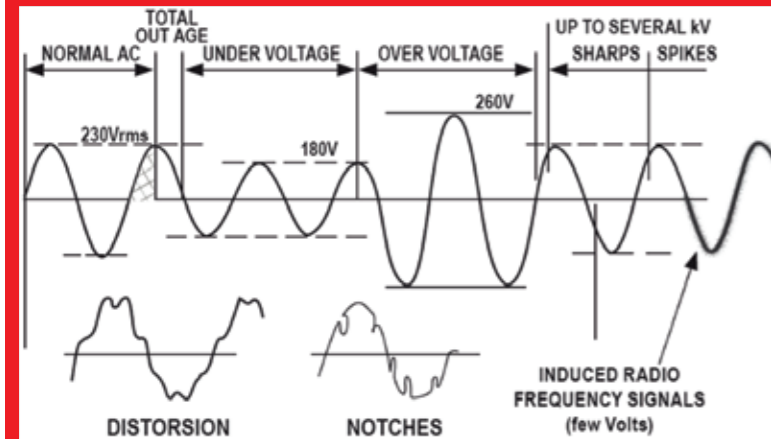


IMP 1K5 | 3K0#

1. Clean Power Provides Precise Sound & Pictures:

Noise floor is a measurement of the signal created by the sum of all the noise sources and unwanted signals that cover or changes the originality of audio & video signals. The best possible performance in audio & video systems can only be achieved when the noise floor is lower than the amplitude of the audio & video signal. **IMP** removes electrical noise and interference that is present on AC lines without using external circuits or components that can restrict high performance audio & video signals.



2. Active Power Means Greater Performance for Audio and video:

Active power in audio and video refers to the system's ability to reproduce the very largest and most demanding music passages and video images. Music is very dynamic when there are many instruments playing at the same time, and when the frequency ranges from low bass to vocals and other instruments that play at different pitches and levels of intensity and volume. Images are dynamic when there are many colors and frequent changes of intensity and motion. If a system is

constrained by voltage issues then it will become distorted and unpleasant. Video becomes grainy and pixilated. **IMP** provide astonishing active capability to systems by delivering high instantaneous current on demand and present very low impedance to connected electronics.

3. Programmed Voltage Range Control Provides the Ultimate Protection and Reliability:

Voltage fluctuations stress electronic equipment and can easily cause sensitive equipment to operate unreliably or even fail. **IMP** eliminates these problems by providing pure, stable voltage to the connected equipment to ensure reliable operation. **IMP** units accept input voltage from 160V to 250V and transfers to the output. LCD displays input voltage, output voltage, and current draw and loading % in real-time as well as displaying fault conditions.

An ingenious power system with **SAFE** and **STABLE** power to your equipment, For longlife and durability



support@aimac.io
www.aimac.io

Authorised Partner :

- INRUSH CURRENT CONTROL
- SHORT CIRCUIT PROTECTION
- 100% ISOLATED
- LOW VOLTAGE PROTECTION
- HIGH VOLTAGE PROTECTION
- DIP SWITCH FOR OPERATING VOLTAGE SELECTION
- SURGE PROTECTION
- ELEMINATE POWER NOTCHES & POWER DISTORTION
- EXTERNAL PROTECTION FUSE
- OVER LOAD AUDIO INDICATION
- AUTO SLEEP & WAKE
- FULLY INTELLIGENT
- DIGITAL DISPLAY (WITH I/V & O/V INDICATION, LOAD CURRENT INDICATION, LOAD INDICATION IN %)

Output

- Outputs: IEC Output x 6 (Loading Capacity @6A | 13A# Max.)
- Input: IEC x 1, 230V/6A with safety Fuse | 230V/13A with safety circuit Breaker #

Indicators & Controls

- LCD Display : Indication for IPV, OPV, Load Current, Load in Percentage %
- Front Panel: On/Off
- Illuminated Logo Light

Electrical Specification

- Mains Voltage: 180V to 250V
- AC Power Consumption: 1536W Max | 3036W Max #
- Protections: Short Circuit and Over Voltage, Over Load Protection with sound Indicator

Package Includes :

- IMP1K5 x 1 No | IMP3K0# x 1 No, Power Cable 3M 230V/10A x1 No, IEC cable 1.5M 230V/10A x 6 Nos, Warranty Card, User Manual.

Physical

- Dimension : 350x250x140mm | 380x270x130mm#
- Weight: 19 kg | 25 kg #
- Cooling System: Natural Cooling

Terms & Abbreviations :

- Depending on equipment Voltage requirement as per the manufacturer standards.
- AIE - Aimac Innovatives & Engineering Pvt Ltd.,
- IPV - Input Voltage
- OPV - Output voltage

Input Voltage Range :

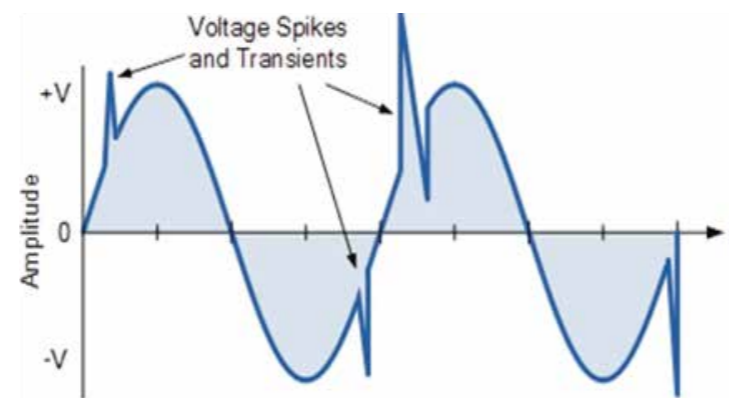
- Single Phase, 230V-50Hz
- Output Specification
- Intelligence : Refer overview & Features

Do You Know That the Power Line Disturbances will Create an Adverse Effect in the Quality and Life of Your Equipment ?

Best performance of the highly sophisticated electronics in including high-end audio or video system, and other equipment is depend upon a clean and stable supply of electrical power. These modern new smart electronic devices that are being used today are very sensitive and is staggering and they are all connected to a traditional electrical wiring system and line grid that was designed and engineered decades ago. To cater this need and ensure the good power source to your equipments AIMAC introduces IMP1K5 | IMP3K0.

Why Do We Need for IMP?

The electronics and smart systems in a around today is much different than it was for past generations. Today's systems have so many more devices to power like projectors, amplifiers, mixers, computers and printers, chargers for wireless devices, modems, routers and home networking devices, televisions and cable boxes, and other equipments. These modern new smart electronic devices that are being used today is staggering and they are all connected to a traditional electrical wiring system and line grid that was designed and engineered decades ago.

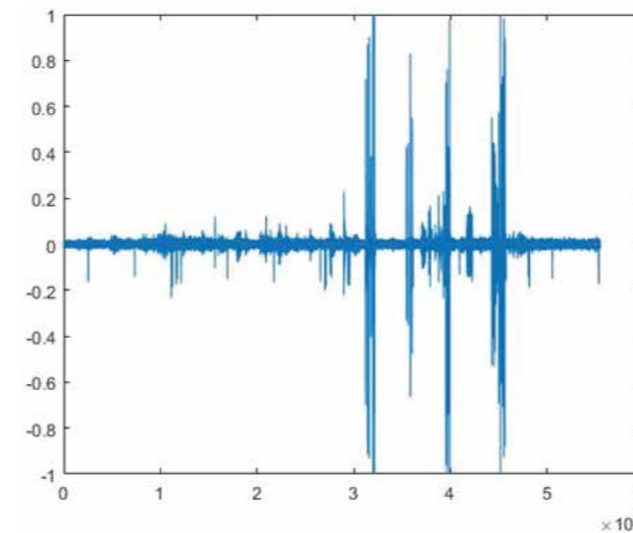


Technical Specification :

- Power Rating : 1.5 KVA @ 230V | 3 KVA @ 230V #
- Over Load Indicator @ 90% with single beep for 10s interval , 95 % with Long beep.
- Output short Circuit Protector with Indication Beep and in Display
- Over Voltage /Low Voltage Protection with Indication Beep and in Display.
- LCD Display for Load, IPV, OPV, Load Current , Load in Percentage

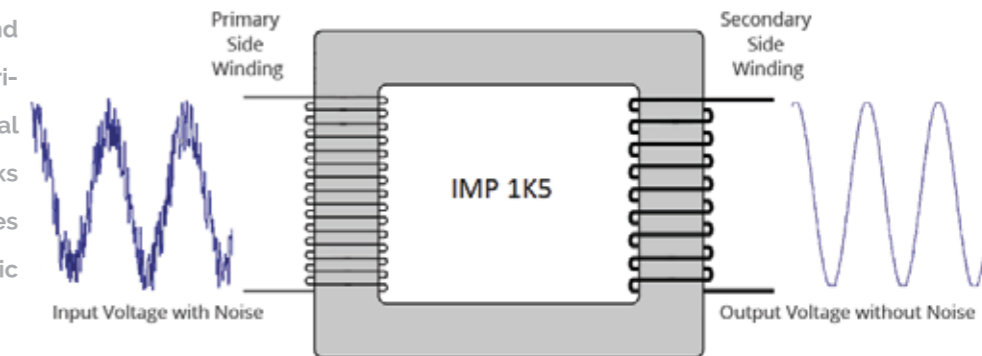
Every electronic device emits electrical noise that can be picked up and transmitted through electrical circuits in your surroundings. All of this devices combine to create a noise floor within the electrical environment of your surroundings. However, it is not just your electronic devices and appliances that add to the noise floor, your electrical service is likely to be connected in parallel with many of your neighbour's, so you are subject to electrical noise that is present throughout your neighbourhood. There is an ever increasing problem of power line noise pollution that is present in virtually every souring, and it is only getting worse.

When it comes to very sensitive devices like audio, video, and control systems, noise is the enemy. Power line noise can cause poor performance in audio and video systems, and can even contribute to reliability and noise issues for electronic components that use sensitive speakers and microprocessors. Power taming products and noise filters are widely used to reduce noise that is present on the electrical lines and improve the quality of power that is being delivered to various electrical components like audio/video and smart technology systems. It is widely accepted within the smart technology industry that providing a clean, stable power foundation for audio, video and control systems is a must. An Intelligente where all the are accomplished is **IMP**



IMP transfer electrical power from a source of alternating current power to a device, where the powered device is isolated from the power source for safety measures. Toroidal Isolation transformers are designed specifically for use with audio, video, and control systems. The purpose of using an isolation transformer in audio video applications is to provide the best possible operating environment, free from noise and interference that ultimately strangles the dynamics and does not allow a system to reach its best performance. With our **IMP**, your systems will come alive with more dynamics, improved imaging& Sound, and cleaner, enhanced bass performance. Video will be crisper with darker blacks and brighter, more vivid colors.

IMP is inbuilt with a unique high end component that isolates the transfer of electrical power. By isolating the transfer of electrical power from the main power source, **IMP** blocks electrical noise and interference that degrades performance and provides increased dynamic capability to dramatically



improve the overall system performance. It eliminate electrical noise caused by sources such as motors, lights, appliances and dimmers commonly found in the home environment, and it is infinitely superior to using wall power that is increasingly polluted and noisy.

There are many benefits resulting from using **IMP**

Application :

- Home Cinema / Residential Audio video
- Board Room/ Conference Rooms /Knock Centres / Auditorium
- Server Rooms /Bars & Clubs / Club Houses
- Operation Theatres & Sophisticated Equipments in Hospitals
- Any where for clean and stable Power Distribution

Features :

- 100% completely Isolated power Output
- DIP Switch for specialised input Range selection
- Noise Free & Repel Free Outputs
- LCD Display for Load, IPV, OPV, Load Current , Load in Percentage %
- Extend the Load Capacity by Adding IMP as per the application and need
- AIE Can be designed for your specific application