

# ecox PowerSupply Installation guide



iameco 400 Watts PSU iameco 450 Watts PSU iameco 500 Watts PSU

setup, service, warranty troubleshooting information





# updateable upgradable re-usable recyclable

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#### Introduction to your high quality green power supply

Thank you very much for choosing a high-quality  $iameco^{\infty}$  product. This user manual provides you with a brief description and technical details of this product and will give you a better idea of its performance characteristics. Mechanical drawings and connector diagrams will help you to get used to your power supply and its installation. Installation instructions should help you to install the components to your computer case in an adequate way.

The chapter - Precaution - provides you with information about important safety features and requirements this unit. The chapter Troubleshooting - shall answer the question you may have during its operation. If you have any suggestions or comments or if you want to know more about iameco products and the company, please visit our web site at www.iameco.com or send an email to info@iameco.com

We appreciate your feedback and you will receive the prompt and satisfactory response from our customer service team.

#### **Precautions**

Please do not disconnect the AC power line when the power supply is in use, even a short disconnection can cause damage to the components. Please do not store the power supply in a humid and/or hot environment, nor use it under such conditions.

When you put an ATX-type switching power supply in testing condition (not installed in a PC case), it must be connected to a load (a hard drive for instance), then the switching power unit can be turned on (fan will start to rotate), and DC power output will be in operation. Please do not unscrew the housing of the power unit under any circumstances.

#### Installation

- Disconnect the main power cord from your old power supply.
- Follow your computer case manual to open the case.
- Disconnect all power connectors from your motherboard and from all peripheral devices such as case fans, hard drives, floppy drives, etc.
- Remove the existing power supply from your computer case and replace it by the iameco<sup>™</sup> power supply.
- Connect the power connectors to the motherboard and peripheral drives.
- Connect the 3-pin fan connector to one of the fan connectors on your motherboard.
   If you choose not to monitor the fan speed, you will not have to connect the 3-pin fan signal connector in order to make the power supply work.
- Close the computer case.
- Connect the power cord to the iameco silentcool power supply.

#### Our commitment to preserving the environment

In current times of high-energy costs and environmental awareness, iameco is dedicated to develop products that meet the latest regulations, as well as to taking responsibility in preserving our environment. The iameco 80 plus series achieve industry-leading efficiency ratings by double-forward converter circuit design with active PFC (Power Factor Correction). For you as an end user, this considerably increased efficiency means substantial energy savings and operating cost reduction.

The iameco 80plus series is compliant with the world's toughest electric efficiency specification the 80 Plus program signify at least 80% efficiency across a range of loads (20%, 50% and 100%), and a true power factor of min. 0.9. This makes an 80 PLUS certified power supply up to 33% more efficient than current power supplies and translates to annual energy savings of approximately 85 kWh/year in desktop computers and 300 kWh/year in desktop-derived servers.

In addition to high-efficiency performance, all iameco power supplies fulfil European Union regulations for RoHS, WEEE, as well as most major worldwide safety requirements. iameco power supplies represent the ultimate solution in efficiency, stability, silence and performance. 80 PLUS is an innovative, electric utility-funded incentive program to integrate more energy-efficient power supplies into desktop computers and servers.





#### **Features**

High-Efficiency performance Maximize the performance with advanced technology

2. Low power consumption on standby (<1W) Reduced power consumption to save your money

3. Totally Silent Solution
4. All in One Main Power Connector for maximum compatibility 18db super low-noise rubber-mounted "golf ball"-fan and fan-grid

20-pin + 4-pin ATX 12V for standard ATX systems

24-pin + 4-pin ATX 12V for BTX and the latest ATX 2.2 systems

24-pin + 8-pin EPS 12V for PCs, IPCs, servers and dual-core systems

- 5. Four Serial ATA connectors for modern HDD generations
- 6. Support for SATA / SLI / CrossFire
- 7. Easy-swap Molex connectors with gold-plated terminals
- 8. All cables with mesh style sleeving
- 9. Honeycomb structure for improved ventilation
- 10. Temperature-sensitive case fan control unit
- 11. Advanced protection functions to safeguard your system

Money (Sup to 84%)  Green Power	High Electric Efficiency up to 84% Environment friendly technology reduces the losses of electricity and save your money on facility bills.	Silence	Meet the ultimate balance between necessary cooling and noise  Striving for silence is iameco's commitment and we realize it with Smart Fan Control Circuit based on Automatic Temperature Sensor.
SO%=99% ACTIVE PFC	Active Power Factor Correction  Correct power factor from typical 50% to almost ideal 99%.	Fan and Grill mounted Shock Absorbed	Gril-Mounted Fan and Fan-Rubber  Shock absorber reduces vibration and noise and extends the life span to ensure the reliability of the power supply.
SLI*	Full support SLI dual for PCI Express graphics systems  Sufficient and stable current for full support of nVIDIA-based PCI Express systems.	CROSS FIRE ready for CrossFire	Full support for ATIs CrossFire PCI Express graphics systems  Sufficient and stable current will allow you to connect two Crossfire video cards together in a system.
ready for serial ATA	Serial Advanced Technology Attachment 4 serial ATA connectors.	PCI EXPRESS  x 2  PCI EXPRESS	Dual PCI Express Power Connectors fully supports SLI and Cross Fire systems  With the trend of high end PCI-E Graphic Cards iameco's SILENTPOWER power supplies provide dual 6-pin PCI-E power connectors.
Gase Fan Control	Additional 4-pin connector with temperature-driven case fan control unit  Connect this additional connector to your system fan to equip the case fan with thermal control function to reduce the noise generated by the system.	12 Volt X 2	Double +12V Output Rails Independent double +12V outputs ensure the system operating steadily and safety under heavy application.
ALL ONE Multiple Connector ATX ATX Z.O EPS	Flexible Connector Design  Supports various systems with flexible (20+4) pin main power connector.	good placed ferminals Conductivity	Gold- Plated Terminals  iameco silentcool power supplies are equipped with gold plated terminals to ensure better current conductivity between power supply connector and socket of peripherals.
Easy Swap	Patented Easy Swap Connectors  Make the installation quick and convenient.	All Output  Cables with  Nylon Sleeving	All output cables with Nylon sleeving Cable sleeving brings convenience and neatness during installation and improves case airflow.
OVP   UVP OCP Short Circuit Princetion SAFEGUARD	Advanced Protection Functions  All power supplies are equipped with comprehensive protection features to safeguard your system.	Hency Comb optimized AIRFLOW	Honey Comb Structure for effective ventilation  Maximizes ventilation-minimizes heat and noise





## **Electrical specifications**

	Features/Model	SC400	SC450	SC500		
Input	Fan Type	12 cm sleeve bear	ing fan			
	Voltage	115V~230 VAC	115V~230 VAC			
	Frequency	50~60 Hz				
	Current	6A	6A	10A		
Output	Efficiency	up to 84%				
	Power Factor (PF)	Typical 0.99				
	DC Voltage		DC Current (min. /	max.)		
	+3.3V	0.5A / 20A	0.5A / 22A	0.8A / 28A		
	+5V	0.3A / 14A	0.3A / 15A	0.5A / 30A		
	+12V(1)	1A / 14A	1A / 14A	1A / 12A		
	+12V(2)	1A / 13A	1A / 1A	1A / 21A		
	-12V	0.0A / 0.3A	0.0A / 0.3A	0.0A / 0.5A		
	+5Vsb	0.1A /2.5A	0.1A /2.5A	0.1A /2.5A		
	+3.3V & +5V	130W	130W	180W		
	Total Output	400W	450W	500W		
Power	Power Supply	24V(DC)	0.8A / 28A			
	Power Consumption	Normal<				
	Power Consumption	Stand-by < 1W	< 1W	< 1W		

Operating	Temperature: 10°C~50°C Humidity: 20%~95%
Storage	Temperature: 0°C~50°C Humidity: 20%~90%
Altitude	0~2.400 meters

# **Mechanical Specification**

#### **Output Connector Overview**

Connector/Model	SC400	SC450	SC500
Main power	(20 + 4) pin	(20 + 4) pin	(20 + 4) pin
+12V Power (CPU Connector)	(4 + 4) pin	(4 + 4) pin	(4 + 4) pin
4-pin for Peripheral	6	6	8
4-pin for Floppy	2	2	2
S-ATA	4	4	4
4-pin for Case Fan	1	1	2
6-pin for PCI-E VGA	2	2	2

#### **Protection function**

All iameco products are designed with comprehensive protective features to safeguard the power supply and system. If the protection function is in effect as defined below and the device shuts down, the power supply will return to normal operation only after the fault has been removed and power switch has been turned OFF for at least 1 minute, or AC power has been removed from the power source and then reapplied.

#### Over/Under voltage protection (OVP/UVP)

When the output voltage exceeds the specifications defined below, the power supply will shut down.

DC Output	UVP (MIN)	OVP (Max)
+5 V	3.9 V	7.0 V
+3.3 V	2.8 V	4.3 V
+12 V	8.0 V	15.6 V





#### **Over current protection**

Overload current applied to each tested output rail will cause output trip before they reach or exceed  $110\% \sim 150\%$  for testing purposes. Overload current shall be ramped at a minimum rate of 10A/s starting from full load.

#### **Overload protection**

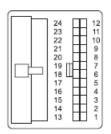
When any set of DC output is in short circuit, the power supply will shut down in order to protect the circuits and components from getting damaged.

#### Short circuit protection

When the total output exceeds 130~150% of the max. load limit, the power supply will shut down to prevent components from getting damaged.

# **Connectors Description and Illustration**

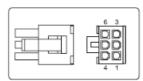
#### Main power connector



Voltage	Color			Color	Voltage
+3.3 V	Orange	1	13	Orange	+3.3 V
+3.3 V	Orange	2	14	Blue	-12 V
COM	Black	3	15	Black	COM
+5 V	Red	4	16	Green	PS_ON#
COM	Black	5	17	Black	COM
+5 V	Red	6	18	Black	COM
COM	Black	7	19	Black	COM
PWR_ON	Gray	8	20	N/C	N/C
+5 Vsb	Purple	9	21	Red	+5 V
+12 V.	Yellow	10	22	Red	+5 V
+12 V.	Yellow	11	23	Red	+5 V
+3.3 V	Orange	12	24	Black	COM



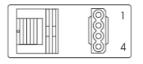
#### PCI Express connector (6 pin)



Color	Signal	Pin
Yellow	12VDC	1
Yellow	12VDC	2
Yellow	12VDC	3
Black	COM	4
Black	COM	5
Black	COM	6



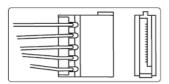
#### Peripheral connector (4 pin)



Color	Signal	Pin
Yellow	+12V3DC	1
Black	СОМ	2
Black	СОМ	3
Red	+5VDC	4



#### **Serial ATA power Connector**

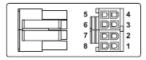


Color	Signal	Pin
Yellow	+12V3DC	1
Black	COM	2
Red	+5VDC	3
Black	COM	4
Orange	+3.3 VDC	5





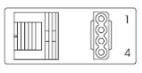
#### +12V connector (4+4 pin)



Color	Signal	Pin
Black	COM	1
Black	COM	2
Black	COM	3
Black	COM	4
Yellow	+12VDC	5
Yellow	+12VDC	6
Yellow	+12VDC	7
Yellow	+12VDC	8



#### Case fan only connector (4 pin)



Color	Signal	Pin
Yellow	+12VDC	1
Black	COM	2
	N/C	3
	N/C	4



#### Fan monitor connector (3 pin)



Color	Signal	Pin
Black	сом	1
Yellow	Fan Monitor	3



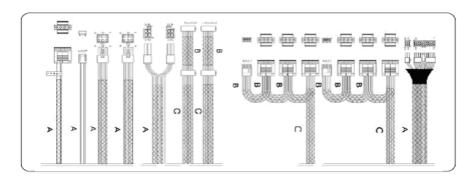
#### Floppy disk connector (4 pin)



Color	Signal	Pin
Red	+5VDC	1
Black	COM	2
Black	СОМ	3
Yellow	+12V3DC	4



#### Cable length (for 400 W PSU, 450W PSU)

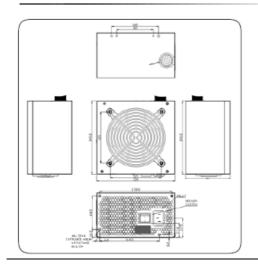


No.	Α	В	С
(mm)	500	150	450





#### Physical dimension





#### **Troubleshooting**

Occasionally you may have problems while working with your power supply. This page provides solutions to problems that prevent you from working with your power supply. You can find more troubleshooting information in our support website at www.iameco.com/support. If you experience a problem with your monitor, there is usually a simple and quick solution. If you encounter a problem, try to make a note of what you did before the problem occurred. This will help you narrow down the possible causes of the problem and then find the answers you need. Before calling for service, check the information in this section to see if you can remedy any problems yourself. If you do need further assistance, please contact your iameco<sup>™</sup> dealer or visit our homepage at www.iameco.com

#### No DC output. The fan does not rotate

Follow these steps:

- Please check whether the AC inlet plug is firmly plugged into the INLET socket.
- Please check whether the wall socket or extension power cord is in normal condition.
- Please check whether the main board socket (20+4 pin) is firmly plugged in.

#### The fan rotated but then stopped, the system hangs without response

Follow these steps:

- Please check whether all peripheral connectors are firmly plugged on the devices, such as hard disk, CD-ROM/DVD-Drive.
- If an offset or revise plug happened, please unplug the AC power source, re-plug the socket, then wait for at least 60 seconds, plug in the AC power source and try again.

If the power supply still does not power up after checking the above instruction, please send the unit back to your dealer or retailer for after service.

# Repair of your iameco™ power supply

This power supply has no user-serviceable parts. Do not attempt to open it. This may cause an electric shock or a fire. Only authorised  $iameco^{T}$  service personnel should remove the casing, by doing so you invalidate your warranty! If the warranty seal is broken this will invalidate your warranty.

If an unauthorised person opens your power supply, you risk damaging your equipment, and such damage is not covered by the limited warranty on your power supply. All spare parts are available from  $iameco^{T}$  and can only be installed by official service centres. Visit www.iameco.com for updated information. In many cases, your power supply may not need repair. Before you contact us, please consult the troubleshooting section to see if you can easily remedy the problem yourself. You can find the addresses of  $iameco^{T}$  service centres in page no 16.





### **Disposal information**

At the end of life of your iameco<sup>™</sup> product we recommend that you treat the disposal of your equipment in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products, components and/or materials.

By any means, this equipment should not be disposed in an ordinary dustbin with household waste! Be responsible for your environment!

#### Information on disposal for private households

#### In the European Union (EU)

Ideally, the first option would be to bring back your  $iameco^{\mathsf{TM}}$  product to  $iameco^{\mathsf{TM}}$  service centre for remanufacture.

In some countries, your local retailer may also take back your old product free of charge if you purchase a similar new one. Please contact your local authority for further details. If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements. By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

#### In other countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal. In some countries used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product.

#### Information on disposal for business users

#### In the European Union (EU)

If the product is used for business purposes and you want to discard it please contact your iameco<sup>™</sup> dealer who will inform you about the take-back of the product. You might be charged for the costs arising from the take-back and recycling. Small products (and small amounts) might be taken back by your local authority for take-back of your used products.

#### In other countries outside the (EU)

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

#### WEEE collection points in Dublin, Ireland

There are 7 recycling centres located in Dublin, which will take back your Waste Electrical and Electronic Equipment (WEEE) for free.

Shamrock Terrace Recycling Centre (North Strand) - Dublin City Council Pigeon House Recycling Centre, Ringsend - Dublin City Council Balleally Recycling Centre - Fingal County Council Coolmine Recycling Centre - Fingal County Council Balbriggan Recycling Centre - Fingal County Council Ballyogan Recycling Centre - Dun Laoghaire Rathdown County Council Ballymount Recycling Centre - South Dublin County Council





#### **Return Policy**

#### **Our guarantee**

iameco<sup>™</sup> is pleased to offer you a 7-day money back guarantee if you are not fully satisfied with our products (subject to certain conditions contained in this return policy). You have 7 days from date of shipment of your purchase to return your purchase. iameco<sup>™</sup> must be notified by e-mail of your intention to return your purchase within 10 days of shipment.

#### How to return your purchase

All returns queries are dealt with by e-mail. Contact *returns@iameco.com* for further instructions. You will be e-mailed a Return Merchandise Authorisation (RMA) number with some details to fill out before receiving the RMA number. You can find the RMA form on page 36 in this manual.

#### **Exchanges**

Exchange of items is handled in the same way as returns. However there is a charge on freight cost to ship it out again. You will be informed how to process this charge. Replacement items are not entitled to free delivery even if the free shipping option was included in the original order.

#### **Returns - Exchanges Terms and Conditions**

iameco will repair/exchange/replace the full original product. Price including original shipping costs if the return is as a result of an iameco error.

If the product fails within the manufacturer's Dead on Arrival (DOA) period, a replacement product will be offered.

#### iameco™ is NOT responsible for any loss or damage of your return.

Any non-insured, items showing wear and tear or damage will not be accepted for return. Returned items must be in a re-saleable condition. Please ensure that items are insured for the full amount including shipping costs.  $iameco^{T}$  will not be liable for any shipping charges on the returned items.

All original paperwork and documentation must be included. Custom requests, special orders are not accepted for return. We reserve the right not to accept any item that has not been hallmarked as a result of a special request. Items will not be accepted for return after 10 days from shipping date.

#### Packing your return

Pack your return carefully in the original boxing. Include all original paperwork and documents. Send the package by priority registered mail or a shipment of your choice to

#### MicroPro Computers

98 Nutgrove Avenue, Rathfarnham, Dublin 14, Ireland.

Tel: +353 (0) 1 4930514 Fax: +353 (0) 1 4943885

Mark your Returns Material Authorisation (RMA) number clearly on the outside. Mark clearly on the outside that this is an item originally exported from Ireland and now being returned. Request a return receipt to confirm that we have received your item.





# Warranty information

The following terms apply only to new "in the original carton" products marketed and distributed by iameco™, which are purchased and used by the original consumer purchaser. This information is subject to the terms and conditions of the written warranty statement included with each product, and are available for examination from the dealer prior to purchase.

Depending on the model, your terms and conditions may be different from those shown below, and this information is subject to change without prior notice. Unless specifically stated otherwise, used and reconditioned products that are resold have no warranty from iameco™ and are considered sold "AS-IS", however, the selling dealer may offer additional service options.

#### Information in this document is subject to change without prior notice.

Reproduction in any manner whatsoever without the written permission of  $iameco^{T}$  is strictly forbidden.  $iameco^{T}$  shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

#### Warranty for iameco™ Power Supply

Product	Power Supply	Labour	Parts
ecoX Power Supply	1 Year	1 Year	1 Year

#### What the warranty covers

iameco<sup>™</sup> warrants your display(s) against defects in material and workmanship during the warranty period from iameco<sup>™</sup> factory delivery date shown the in shipping documents. If a product proves to be defective in material or workmanship during the warranty period, iameco<sup>™</sup> will, at its sole option repair or replace the product with similar product provided the purchaser adheres to certain return authorization procedures and guidelines. iameco<sup>™</sup> may, use rebuilt, reconditioned, or new parts or components when repairing any product or replace a product with a rebuilt, reconditioned or new product. Upon request from iameco<sup>™</sup>, the consumer must provide information to reasonably prove the date of purchase. iameco<sup>™</sup> reserves the right to charge customer in case of warranty conditions that are not fulfilled.

#### How long the warranty is effective

iameco<sup>™</sup> display products are warranted for 1 year for Power supply, parts and labour, starting from the delivery date as per shown on the corresponding shipping documents. Please ensure you register your iameco<sup>™</sup> product to avail of your guarantee.

#### Who the warranty protects

This warranty is valid only for the first purchaser and is not assignable or transferable to any subsequent purchaser/end user.

#### What the warranty does not cover for

- 1. Any product, which the serial number has been defaced, modified or removed.
- **2.** Damage, deterioration or malfunction resulting from:
  - a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, Power Indicator Green/Orange, blinking, No light, unauthorized product modification, or failure to follow instructions supplied with the product will not be covered under warranty.
  - b. Repair or attempted repair by anyone not authorized by iameco<sup>™</sup>.
  - c. Any damage of the product due to shipment.
  - d. Removal or installation of the product.
  - e. Causes external to the product, such as electric power fluctuations or failure.
  - f. Use of supplier or parts not meeting iameco<sup>™</sup> specifications.
  - g. Normal wear and tear.
  - h. Any other cause that does not relate to a product defect.





- 3. Cosmetic damage by purchaser, such as markings, discolouration, scratches, dents, anti-theft devices markings, gouges or any other defacement.
- Physically damaged products by purchaser. 4.
- No Defect Found (product returned to iameco™ as defective but failure is not duplicated by iameco™'s 5.
- The product is not in accordance with the fault in the application. 6.
- Damage resulting from use of non-iameco<sup>™</sup> approved accessories. 7.
- Timber is a lifelike natural material which can cause some little changes in the precision of the produced product such as small openings line beside the connecting point and some other small changes which are out of iameco<sup>™</sup> control and don't make any effect for the product functionality.
- 9. Products serviced by non-authorized persons or companies.

#### **Limitation of liability**

If your iameco<sup>™</sup> product fails to work as warranted above, your sole and exclusive remedy shall be repaired or replaced. iameco™ maximum liability under this limited warranty is expressly limited to the lesser of the price you have paid for the product or the cost of repairing or replacement of any hardware components that malfunction in conditions of normal use.

iameco<sup>™</sup> is not liable for any damages caused by the product or the failure of the product to perform, including any lost profits or savings or special incidental, or consequential damages. iameco™ is not liable for any claim made by a third party or made by you for a third party.

This limitation of liability applies whether damages are sought, or a claim made, under this limited warranty or as a tort claim (including negligence and strict product liability), a contract claim, or any other claim. This limitation of liability cannot be waived or amended by any person. This limitation of liability will be effective even if you have advised iameco™ or an authorized representative of iameco™ of the possibility of any such damages.

This limitation applies whether damages are sought, or a claim made, under this limited warranty or as a tort claim (including negligence and strict product liability), a contract claim, or any other claim. This limitation of liability cannot be waived or amended by any other person. This limitation of liability will be effective even if you have advised iameco™ or an authorized representative of iameco™ of the possibility of any such damages. This limitation of liability however will not apply to claims for personal injury.

#### How to get warranty service

- For information on obtaining warranty service, contact your iameco™ dealer (the place where you bought your product) as your first choice. If for any reason you can not contact your dealer, please contact iameco<sup>™</sup> customer service by emailing to *support@iameco.com*
- To obtain warranty service, you will be required to fill out RMA Request Form (return 2. merchandise/material authorization) available on page 36 of the user's manual, or on the following address (www.iameco.com/support/rma.htm) to provide:

  - i. Your information
     ii. Reference of your purchase and copy of your invoice confirming your warranty
     iii. Product information

  - iv. A description of the problem

If the contact is made with iameco™ Customer Service, iameco™ will contact the customer upon receipt of the RMA Request Form and issue a RMA number within normally 48-72 hours and give the customer further instructions.

#### iameco<sup>™</sup> technical support services

During the period of product warranty, we support your basic configuration, setup and troubleshooting questions, and when required, we provide you with all instructions on how to return your product for repair. For support enquiries, please e-mail us at support@iameco.com

Note: RMA programme is subject to changes at any time without prior notice.

Conditions: The above policies are for warranty service and the customer will be responsible for any costs associated with non-warranty conditions such as control test, shipping and administration costs, etc.





### **Regulatory Notices**

#### Restriction of Hazardous Substances (RoHS)

iameco products are safe from hazardous substances (Cd, Pb, Hg, Cr+6, PBDE and PBB) and can be disposed of in an environmentally safe manner. Moreover, we at iameco are continuing our efforts to develop products that do not require internationally banned toxic chemicals. The parts and components have been carefully selected to meet RoHS requirements and to minimise electricity consumption, electromagnetic emissions and noise.



#### Waste Electrical & Electronic Equipment (WEEE)

iameco has been registered by the WEEE Registration Society Limited in accordance with provisions of article 12(5) of the Waste Management (Waste Electrical & Electronic Equipment) Regulations 2005 (S.I. No. 340 of 2005) with the registration number is 00823. Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment to designated collection facilities free of charge.



00823

#### **Eco-Flower**

The European Union's eco-labelling programme was launched throughout the European Community in 1993 to encourage the manufacture of less environmentally damaging products. The European Union's Eco-label, a flower with the EU's star symbol, is awarded to products that have passed a life cycle analysis. Further information on the eco-label can be found at <a href="http://europa.eu/int/ecolabel">http://europa.eu/int/ecolabel</a>



# Safety approvals

iameco™ power supplies are certified to comply with multiple safety and EMI standards:









**EMI** 





#### MTBF (Mean Time Between Failure)

The MTBF of the power supply is calculated by using the quality factors listed in Part-Stress Analysis method specified in MIL-HDBK-217F.

The calculated MTBF of silentcool switching power supply is greater than 100,000 hours under the following conditions: 70% load, 220VAC/50Hz input, 25°C ambient.





#### ISO certifications

ISO 9001:2000

iameco has been assessed and is in compliance with the provisions of the Quality System to IS.EN.ISO 9001:2000 in respect of the scope of operations such as build and sale of environmentally friendly computers. Service and repair of computers, peripherals and network solutions and is hereby included in the European Quality Assessment (EQA) directory of certified organisations. This certificate of Quality System Registration Number 3176 was issued on 2<sup>nd</sup> November 2006 and is valid until 1<sup>st</sup> November 2009.



#### ISO 14001:2004

The European Quality Assessment (EQA) granted iameco whose Environmental Management System is in conformance with ISO 14001:2004 the right to be listed in the Environmental Register of Assessed Companies for the following scopes: build and sale of environmentally friendly computers, service and repair of computers, peripherals and network solutions. This certificate of Assessment Number 7173 was issued on 27<sup>th</sup> November 2006 and is valid until 26<sup>th</sup> November 2009.





# Supported by







# iameco™ Product registration form

Title			
Contact first name			
Contact last name			
Address/Company			
City		Country	
Daytime phone		Fax	
E-mail address			
Reference number*			
Purchase date			
Dealer			
* Can be found at the back	of the nower supply		

#### Registering your iameco<sup>™</sup> product

Upon receipt of your Product Registration you will be enrolled in the iameco™ programme at no additional cost, which will enable you to receive technical support and iameco™ newsletters periodically. Failure to complete and submit this product registration form will not diminish your rights under iameco™ Standard Limited Warranty.

You can either e-mail it to info@iameco.com or fax it to +353 (0) 1 4943885.

# Returns Material Authorisation (RMA) request form

Title		
Contact first name		
Contact last name		
Address/Company		
City	Country	
Daytime phone	Fax	
E-mail address		
Unit description		
Reference number		
Model ID		
Serial number(s)*		
Purchase date		
Dealer		
Description of fault		



<sup>\*</sup> i.e. "Invoice Number", "Order Number", etc



# iameco™ registered dealers in Ireland

#### **MicroPro Computers**

98 Nutgrove Avenue, Rathfarnham, Dublin 14, Ireland.

Tel: +353 (0) 1 4930514 Fax: +353 (0) 1 4943885 Homepage: www.micropro.ie E-mail: info@micropro.ie Contact: Paul Maher

# Cultivate Sustainable Living Centre

15-19 Essex St, West Temple Bar, Dublin 8, Ireland.

Tel: +353 (0) 1 6745773

#### **Woods Communications**

Unit L7, Ballymount Industrial Estate, Dublin 12, Ireland.

Tel: +353 (0) 1 4501898 Fax: +353 (0) 1 4501946 Homepage: www.woodcomm.ie E-mail: sales@woodcomm.ie Contact: Derek Finlay

#### iameco™ service centres in Ireland

#### **MicroPro Computers**

98 Nutgrove Avenue, Rathfarnham, Dublin 14, Ireland.

Tel: +353 (0) 1 4930514 Fax: +353 (0) 1 4943885 Homepage: www.micropro.ie E-mail: info@micropro.ie

