

# EAT•N

# Powerware

## Powerware POD Surge Protector

Product Focus

Surge powerboard for IT and AV applications



The Powerware POD protects your precious computer system, home entertainment system and other valuable electronic equipment from surges, spikes and noise caused by lightning and other power disturbances.

Its series power filter provides superior protection against surges and spikes, with the additional benefit of protecting against line noise that may affect sensitive equipment. With a surge rating of 60kA, the POD out-performs and outlasts many other products that provide shunt-only protection.

The POD not only protects your power circuits, but also protects against "back door" surges that can enter your system's telephone lines, aerials or network cables.

The POD is manufactured from the highest quality materials and is ergonomically and aesthetically designed to suit office and home installations.

Rest easy with a five year full replacement warranty and a \$100,000 load protection guarantee\*.

\* conditions apply

## Product Snapshot

<b>Power Rating:</b>	<b>10 Amps (maximum load)</b>
<b>Supply Voltage:</b>	<b>220-250VAC</b>
<b>Surge Rating:</b>	<b>60,000 Amps (aggregate)</b>
<b>Filter Rating:</b>	<b>&gt;40dB @ 1MHz</b>
<b>Technology:</b>	<b>Series Power Filter and Shunt Surge Diverter</b>

## Features

- POD 6 Outlet or POD+ 8 Outlet models
- 60,000 Amp surge protection rating - handles more than 1 Million surges (AS1768 Cat A ringwave 200 Amps).
- Highest quality power sockets maintain tension over multiple insertions to ensure that the sockets won't loosen and let the power plugs or plug packs slip out.
- Extra wide socket spacing enables 6 or 8 standard plug packs to be used on the power board.
- Visual indication of Power On (Blue LED) and Surge Protection failure (Red LED) lets you know that the POD is active and working.
- 1.8 metre power cord with insulated pins.
- Re-settable circuit breaker provides overload protection.
- Power On/Off switch.
- Wall mountable to save valuable floor space.
- Data, Video/Aerial and Phone Line surge protection on POD and Data, Video/Aerial, Cable TV and Phone Line surge protection on POD+ to prevent back door surges from damaging your IT or AV equipment.
- Network cable, telephone cable and Coax cable supplied as standard.

# Technical Specifications

## POWERWARE POD

### Power Connections

Input Voltage	220-250VAC
Frequency	50/60 Hz
Maximum Continuous Load	10 Amps
Current Limiting	Re-settable Circuit Breaker
Clamping Voltage (Line to Neutral)	470V (295Vac RMS)
Clamping Voltage (Neutral to Earth)	680V (420Vac RMS)
Response Time	5nS Nominal
Aggregate Surge Current	60,000 Amps
Maximum surge current (one pulse L-N)	40,000 Amps
Maximum surge current (one pulse L-E)	10,000 Amps
Maximum surge current (one pulse N-E)	10,000 Amps
Aggregate Energy Absorption	1470 Joules
Attenuation at Full Load	>40 db @ 1 MHz
Weight/Dimensions (LxWxH)	POD: 0.8 kg, 338 x 130 x 42 mm, power cord length 1.8 metres POD+: 1.0 kg, 383 x 130 x 42 mm, power cord length 1.8 metres

### Network Connections (RJ45)

Lines Protected	1/2, 3/6
Clamping Voltage (Line to Line)	<20V
Clamping Voltage (Line to Earth)	600V (375Vac RMS)
Surge current - Amps (10/1000us)	20 Amps (2ms) /40

### Phone/Fax Connections (RJ11)

Nominal Line Impedance	600 Ohms
Maximum Line Voltage	275Vrms
Clamping Voltage (Line to Line)	430V (270Vac RMS)
Clamping Voltage (Line to Earth)	600V (375Vac RMS)
Response Time	500nS nominal
Maximum Surge Current	20,000 Amps
Peak let-through voltage (3kA L-L)	1000V
Aggregate Energy Absorption	300 Joules

### Video/Aerial Connections (Aust. Coax)

Connections	POD: Video Connector POD+: Video & F-Type Screw Connector
Nominal Line Impedance	75 Ohms
Signal loss	Approx 3dB @ 500 MHz
Clamping Voltage	600V (375Vac RMS)
Maximum Surge Current	20,000 Amps
Aggregate Energy Absorption	200 Joules

HEAD OFFICE  
Eaton Power Quality Pty Ltd  
10 Kent Road  
Mascot NSW 2020  
Phone: +61 2 9693 9366  
Fax: +61 2 8338 1159  
www.powerware.com.au

SALES OFFICES  
Queensland  
Phone: +61 7 3844 9728  
Fax: +61 7 3217 2199

Victoria  
Phone: + 61 3 9706 5662  
Fax: + 61 3 9794 9150

South Australia  
Phone: +61 8 8347 3622  
Fax: +61 8 8445 6328

Western Australia  
Phone: +61 8 9446 0520  
Fax: + 61 8 9244 7466

Auckland New Zealand  
Phone: + 64 9 273 3970  
Fax: +64 9 273 3980

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Sales 1300 UPS UPS  
Service 1300 303 059



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