



# PSU and PCM Variants Technical Bulletin

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## Introduction

This technical bulletin provides brief information about the new Power Supply Unit (PSU) and Power Cooling Module (PCM) variants that are being introduced for the use in Seagate storage enclosures. The new PSUs and PCMs are compliant with Ecodesign requirements specified by European Union, which demand increased power supply efficiency and fewer negative environmental impacts occurring throughout the product life cycle. For more information on the Ecodesign requirements, see the [European Union website](#).

## Description

Seagate's new PSUs and PCMs contain new features, and bug fixes that are aimed at improving performance of the enclosures by adhering to the new ECO standards. The new PSUs and PCMs are designed by following the Ecodesign principles which have increased their efficiency.

The new PSUs and PCMs have equivalent ratings with old (existing) PSUs and PCMs; however, old and new PSUs and PCMs are not designed for intermixing. The system will report a warning message—"Power supply is not supported"—if PSUs and PCMs of different versions are installed in an enclosure or a set of connected enclosures.

Use of the new PSUs and PCMs requires the GEM (Generic Enclosure Management) code to be updated. Due to change in the functionality, the old and new firmware versions are not compatible with each other. New firmware files may have different firmware upgrade or downgrade procedure depending on the new inbuilt processor.

The PSUs and PCMs are hot-swappable, meaning they can be replaced without stopping the enclosure operation.

## Seagate products and related Ecodesign PSUs and PCMs

The following tables provides the list of the Seagate products that are equipped with the new PSUs and PCMs along with their specifications.

Product	PSU/PCM Power	Power module	New PSU/PCM part number	80+ certification
Exos® E 5U84	2200 W	PSU	1104546-XX	Titanium
Exos® E 4U106	2000 W	PSU	1104654-XX	Titanium
Exos® AP 4U100	3200 W	PSU	1104655-XX	Titanium
Exos® CORVAULT™	2000 W	PSU	1104654-XX	Titanium
Exos® E 2U12 Exos® E 2U24	580 W	PCM	1104029-XX	Platinum
Exos® AP 2U12 Exos® AP 2U24	764 W	PCM	1104335-XX	Platinum

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