

PFM™

Isolated & Regulated converter with PFC for AC-DC systems



For use in: *Datacom/Telecom Equipment, LED Lighting, Bench-Top Equipment and Industrial AC-DC Power Systems.*

Description

The PFM is the lowest profile AC-DC solution in the market. The Vicor VIA package enables designers to efficiently package power into their system's thermal-management solution. Unlike the competition which offers solutions with twice the width and 3x the height, these slim-line converters can do the same job in less space.



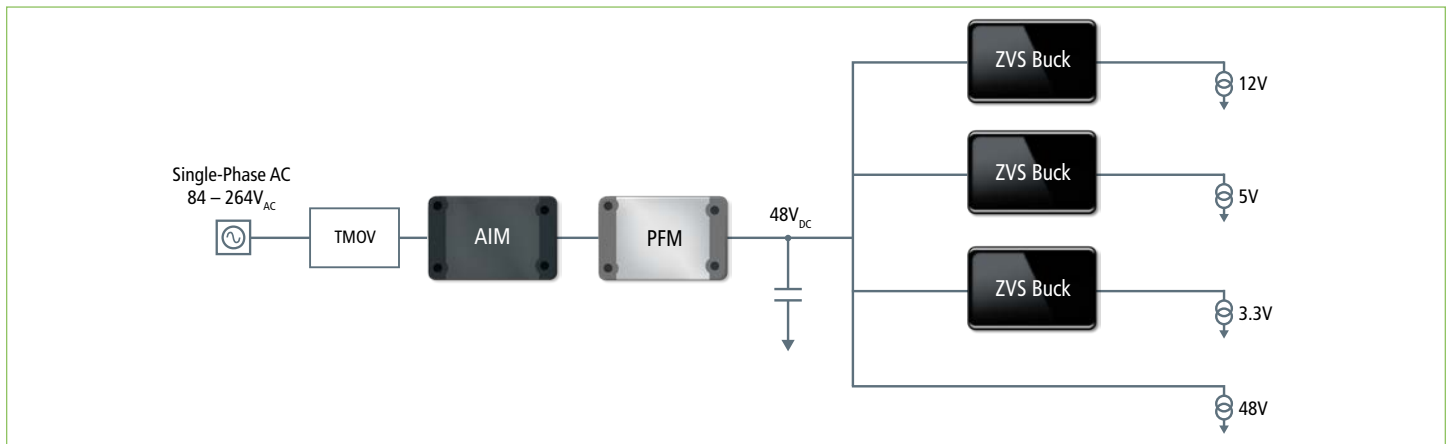
Features & Benefits

- Up to 400W
- Up to 92% efficiency
- Active Power Factor Correction
Exceeds 0.95 at most line / load conditions
- Chassis mount or PCB mounting options
- Available temperature grades
 - C-Grade: -20 to 100°C
 - T-Grade: -40 to 100°C
- Small size & low profile
- Allows designers to minimize the space needed for their applications
- Double-sided thermal housing simplifies thermal design challenges
- Companion AIM™ in a VIA package provides rectification and EMI filtering for use in Class B power systems

Family of PFM Products

Part Number	V _{OUT} (V)	Max Power (W)	Mounting Style	Companion AIM
PFM4414VB6M24D0TA0	24	400	Chassis	AIM1714VB6MC7D5T00
PFM4414BB6M24D0TA4	24	400	Board - Short	AIM1714BB6MC7D5T04
PFM4414BB6M24D0TA8	24	400	Board - Long	AIM1714BB6MC7D5T08
PFM4414VB6M48D0TA0	48	400	Chassis	AIM1714VB6MC7D5T00
PFM4414BB6M48D0TA4	48	400	Board - Short	AIM1714BB6MC7D5T04
PFM4414BB6M48D0TA8	48	400	Board - Long	AIM1714BB6MC7D5T08
PFM4414BB6M48D0TB8	48	400	Board - Long	AIM1714BB6MC7D5T08

Typical Application



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