

Product Overview

The full brick converter series with SynQor⁽¹⁾ packaging provide extremely high efficiency by using synchronous rectification. The series is composed of board-mountable, isolated, fixed switching frequency dc-dc converter. Each module is supplied completely encased to provide protection from the harsh environments seen in many industrial, military and aerospace applications.



- Compatible with SynQor⁽¹⁾ packaging
- Efficiency: up 94%
- Fixed switching frequency provides predictable EMI
- Parallelable
- Remote on/off
- Programmable output: 75~110%
- Input UVP/OVP
- Output OVP

Specifications

* Ta=25°C, rated input voltage & full load unless otherwise specified.

Parameter	Specification	Notes
Voltage Accuracy	± 1% Vout	
Line regulation	± 0.2% Vout	Low line to high line
Load regulation	± 0.2% Vout	No load to full load
Temp regulation	0.02% Vout/°C	-55-100°C
Output OVP	115% Vout	
Efficiency	Up to 94%	
Programming range	75~110% Vout	
Isolation voltage	3,000 Vrms	Input to output
Size	119×62.9×13mm	1000W

Part Numbering	Input voltage		Output voltage	Output power	Output current
	Rated	Range			
MVHDC1000-280	540V	380~650V	28V	1000W	35.7A
MVHDC1000-360	540V	380~650V	36V	1000W	27.8A
MVHDC1000-480	540V	380~650V	48V	1000W	20.8A

(1) All shown name/names or trademarks belong to respective owner/owners