

**EBVW012A7B Series DC-DC Converter Power Module:
 34 - 75Vdc Input, 12.0 Vdc Output and 12.7A Output Current**

Description

The EBVW012A7B1 power module has the same requirements as the EBVW020A0B power module [consult the data sheet: <http://www.lineagepower.com/oem/pdf/EBVW020A0B.pdf>, for details] with the following changes (shown in **bold**):

Electrical Specifications

Unless otherwise indicated, specifications apply over all operating input voltage, resistive load, and temperature conditions.

Parameter	Device	Symbol	Min	Typ	Max	Unit
Operating Input Voltage	All	V_{IN}	34	48	75	Vdc
Maximum Input Current	All	$I_{IN,max}$	-	-	4.5	Adc
Output Voltage (Over all operating input voltage, resistive load, and temperature conditions until end of life)	All	V_O	10.4	—	—	Vdc
Output Current	All	I_O	0		12.7	Adc
Output Current Limit Inception	All	$I_{O,lim}$	—	15	—	Adc

Feature Specifications

Unless otherwise indicated, specifications apply over all operating input voltage, resistive load, and temperature conditions. See Feature Descriptions for additional information.

Parameter	Device	Symbol	Min	Typ	Max	Unit
Input Undervoltage Lockout						
Turn-on Threshold	All		31	33	34	V
Turn-off Threshold	All		31	32	33	V

Table 1. Device Code

Input Voltage	Output Voltage	Output Current	Efficiency	Connector Type	Product Code	Comcode
48V (34-75Vdc)	12.0V	12.7A	95.0%	Through hole	EBVW012A7B1Z	150024726



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