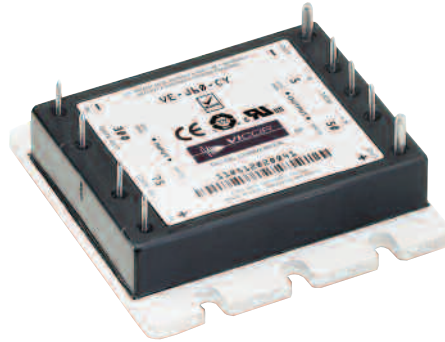


VI-J00 Series

25-100 WATTS - DC/DC CONVERTERS HALF BRICK

FEATURES

- Inputs: 10 to 400VDC
- Output: 1 to 95VDC
- cURus, cTUVus, CE Mark
- Up to 90% efficiency
- Up to 50 watts/cubic inch
- ZCS power architecture
- Low noise FM control
- Remote sense and current limit
- Logic disable



SPECIFICATIONS

INPUT	
Input voltage	See table
OUTPUT	
Product grade	E, C, I, M
Output voltage	See table
Output power	See table
Output ripple	1% pk-pk
Load regulation	0.05%
Line regulation	0.05%
Current limit setting	105%-125%
Set point accuracy	0.5%
Low-high trim voltage	50%-110%
Total remote sense Compensation	0.5V
OPERATING	
MTBF	>1,000,000 hrs
Efficiency	78%-90% Model Dependant
Baseplate operating temp.	100°C
Isolation	Input - Output: 3000V rms
ENVIRONMENTAL	
Cooling	External cooling may be required, consult sales office
STANDARDS AND APPROVALS	
Safety	UL60950-1, CSA60950-1, EN60950-1, Low Voltage Directive (2006/95/EC)
MECHANICAL	
Dimensions	58x61x12.7mm

SELECTION TABLES

A = INPUT VOLTAGE			B = OUTPUT VOLTAGE	
NOMINAL	RANGE	NOTES		
0= 12V	10-20V	(2)	Z = 2V	2 = 15V
1= 24V	21-32V	(3)	Y = 3.3V	N = 18.5V
W= 24V	18-36V	(3)	0 = 5V	3 = 24V
2= 36V	21-56V	(1)	X = 5.2V	L = 28V
3= 48V	42-60V	(5)	W = 5.5V	J = 36V
N= 48V	36-76V	(4)	V = 5.8V	K = 40V
4= 72V	55-100V	(4)	T = 6.5V	4 = 48V
T= 110V	66-160V	(4)	R = 7.5V	H = 52V
5= 150V	100-200V	(4)	M = 10V	F = 72V
6= 300V	200-400V	(5)	1 = 12V	D = 85V
7= 150/300V	100-375V	(1)	P = 13.8V	B = 95V
C = PRODUCT GRADE		D = OUTPUT POWER/CURRENT		
SIZE MODULE				
		V OUT 5V	V OUT <5V	
E= -10°C to +100°C		Z= 25W	Z = 5A	
C= -25°C to +100°C		Y = 50W	Y= 10A	
I= -40°C to +100°C		X = 75W	X= 15A	
M= -55°C to +100°C		W = 100W	W= 20A	

NOTES:					
MAXIMUM OUTPUT FOR:	(1)	(2)	(3)	(4)	(5)
5V Outputs	50W	50W	75W	75W	100W*
>5V Outputs	75W	75W	100W	100W	100W
<5V Outputs	10A	15A	20A	20A	20A

*100W @ 5V (20A), 300V input only.

NOTE: For RoHS version replace VI with VE

SELECTION TABLE GUIDE

VI - J [a] [b] - [c] [d]