VI-200 Mega Series

50-600 WATTS - DC/DC CONVERTER CHASSIS MOUNT SINGLE & MULTIPLE OUTPUT

FEATURES

- Inputs: 10 to 400VDC
- Output: 1 to 95VDC
- 1 to 3 Outputs
- Single, Dual, Tripple Outputs
- cURus, cTUVus, CE Mark
- Up to 90% efficiency
- Up to 50W/in³
- ZCS power architecture
- Low noise FM control
- Remote sense and current limit
- OVP, Thermal Shutdown

SPECIFICATIONS

INPUT	
Input voltage	See table
OUTPUT	
Output voltage	See table
Output power	See table
Product grade	E, C, I, M
Set point accuracy	0.5%
Low-high trim voltage	50%-110%
Output ripple pk-pk	1.5%
Load regulation	0.05%
Line regulation	0.05%
OVP set point	125%
Current limit setting	105%-125%
Remote sense Compensation	0.5V
OPERATING	
Efficiency	78%-90% Model Dependant
Isolation input - output	3750V rms
Baseplate operating temp.	85°C
Shutdown temperature	95°C
Thermal shutdown	Yes
Low noise RM topology	Yes
ENVIRONMENTAL	
Cooling	External cooling may be required, consult sales office
STANDARDS AND APPROVALS	
Safety	UL1950, CSA C22.2 No. 1402C, TÜV IEC950, VDE EN60950
MECHANICAL	
Dimensions (LxWxH)	VI-L, VI-P: 125x125x15.8mmVI-M, VI-Q: 125x186x15.8mmVI-N, VI-R: 125x125x15.8mm

SELECTION TABLES

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

C = PRODUCT GRADE	D = OUTPUT POWER/CURRENT	
	V out >5V	V out <5V
E= -10°C to +85°C	Y = 50W	Y= 10A
C= -25°C to +85°C	X = 75W	X= 15A
I= -40°C to +85°C	W = 100W	W= 20A
M= -55°C to +85°C	V = 150W	V= 30A
	U= 200W	U= 40A

E = OUTPUT POWER/CURRENT		F = OUTPUT POWER/CURRENT	
V out >5V	V out <5V	V out ?5V	V out <5V
W= 100W	W= 20A	S= 300W	S= 60A
V= 150W	V= 30A	P= 450W	P= 90A
U= 200W	U= 40A	M= 600W	M= 120A

NOTES: MAXIMUM OUTPUT FOR —	5V OUTPUTS	>5V OUTPUTS	<5V OUTPUTS
(1)	75W	75W	15A
(2)	75W*	100W	20A
(3)	100W	100W	20A
(4)	150W	150W	30A
(5)	150W	200W	40A
(6)	200W	200W	40A

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

SELECTION TABLE GUIDE

Single output	VI - L	[a] [b] - [c] [d]	50-200W
	VI - M	[a] [b] - [c] [e]	100-400W
	VI - N	[a] [b] - [c] [f]	300-600W
Multiple output	VI - P	[a] [b] [b]- [c] [d] [d]	100-400W
	VI - Q	[a] [b] [b]- [c] [e] [d]	150-600W
Triple output	VI - R	[a] [d] - [d] [d]	150-600W

NOTE: For RoHS version replace VI with VE.