

FEATURES:

- ✓ 2 year warranty
- ✓ Six-side shielded metal case
- ✓ Low ripple and noise
- ✓ Over current and short circuit protection
- ✓ Remote on/off
- ✓ Adjustable output voltage



Model	Input voltage	Output voltage	Output current	Efficiency
	(Vdc)	(Vdc)	(A)	Тур.
DMV30-1215		3.3	6	82%
DMV30-1211		5	6	82%
DMV30-1216		9	3.3	78%
DMV30-1212		12	2.5	87%
DMV30-1213		15	2	87%
DMV30-1214	12(9~18)	24	1.25	87%
DMV30-1221		±5	3	82%
DMV30-1223		±9	1.65	78%
DMV30-1222		±12	1.25	87%
DMV30-1224		±15	1	78%
DMV30-1225		±24	0.625	78%
DMV30-2411		5	6	82%
DMV30-2416		9	3.3	78%
DMV30-2412		12	2.5	87%
DMV30-2413	24(18~36)	15	2	87%
DMV30-2414		24	1.25	87%
DMV30-24 <mark>21</mark>		±5	3	82%
DMV30-24 <mark>23</mark>		±9	1.65	78%
DMV30-2422		±12	1.25	87%
DMV30-2424		±15	1	78%
DMV30-2425		±24	0.625	78%
DMV30-4811		5	6	82%
DMV30-4816		9	3.3	78%
DMV30-4812		12	2.5	87%
DMV30-4813		15	2	87%
DMV30-4814	48(36~72)	24	1.25	87%
DMV30-4821	48(30 /2)	±5	3	82%
DMV30-4823		±9	1.65	78%
DMV30-4822		±12	1.25	87%
DMV30-4824		±15	1	78%
DMV30-4825		±24	0.625	78%
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Model	Input voltage	Output voltage	Output current	Efficiency
	(Vdc)	(Vdc)	(A)	Тур.
DMV30-11011		5	6	82%
DMV30-11016		9	3.3	78%
DMV30-11012		12	2.5	87%
DMV30-11013	110(72~144)	15	2	87%
DMV30-11014		24	1.25	87%
DMV30-11021		±5	3	82%
DMV30-11023		±9	1.65	78%
DMV30-11022		±12	1.25	87%
DMV30-11024		±15	1	78%
DMV30-11025		±24	0.625	78%

Notes:

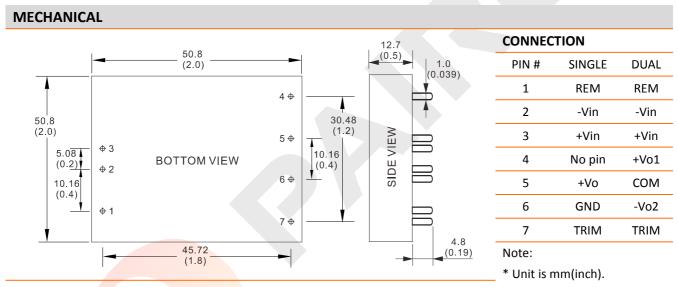
- 1. Other input and output models may available on request;
- 2. Above models are default to metal case.

Input voltage range 24V 48V 110V Remote control (Low level remote) High level or vacant (Low level or connect ground Output voltage accuracy Output voltage adjustable Line regulation Hominal Load, full voltage	9-18Vdc 18-36Vdc 36-72Vdc 72-144Vdc Turn on
Input voltage range 48V 110V Remote control High level or vacant (Low level remote) Low level or connect ground Output voltage accuracy Output voltage adjustable Line regulation Nominal Load, full voltage	36-72Vdc 72-144Vdc
48V 110V Remote control High level or vacant (Low level remote) Low level or connect ground Output voltage accuracy Output voltage adjustable Line regulation Nominal Load, full voltage	72-144Vdc
Remote control (Low level remote) Low level or connect ground Output voltage accuracy Output voltage adjustable Line regulation High level or vacant Low level or connect ground Nominal Load, full voltage	
(Low level remote) Output voltage accuracy Output voltage adjustable Line regulation Low level or connect ground Nominal Load, full voltage	Turn on
Output voltage accuracy Output voltage adjustable Line regulation Nominal Load, full voltage	Turri on
Output voltage adjustable Line regulation Nominal Load, full voltage	Turn off
Line regulation Nominal Load, full voltage	Vo1, Vo2: ±1%, ±3%
	±10% max.
	Vo1, Vo2: ±0.2%, ±1.5%
Load regulati <mark>on 20</mark> % ~ 100% rated load	Vo1, Vo2: ±0.5%, ±4%
Dynamic response 5%-50%-75% load capability (transient/recovery time)	ΔVo1/Δt: ±4.0%/500μs
Ripple and noise 20MHz BM, full load	Vo≤5.0V, ≤50mVp-p Vo≥48V, ≤180mVp-p Other, ≤100mVp-p
Isolation voltage Input to output	1500Vdc
(<2mA/min) Input to case	500Vdc
Switching frequency 300KHz	330KHz max.
Turn-on delay time	≤200ms
Operating temperature range Free air	-25℃ to +55℃
Storage temperature range	-45°C to +105°C
Input under voltage protection When input voltage is lower than the low input voltage	
www.pairuigroup.com Page: 2 / 4	Auto-recovery

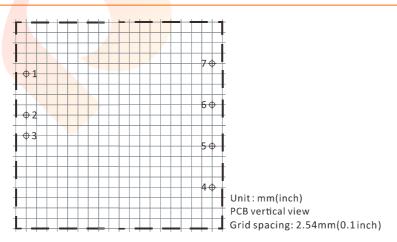


ELECTRICAL		
Over current protection		Auto-recovery
Short circuit protection		Continuous auto-recovery
Cooling method		Cooling by air convection
Relative humidity		10%-90% max.
Weight		61.8g
MTBF	Bellcore TR-332, 25°C	2x10 ⁵ Hrs

Notes: Unless otherwise specified, all the parameters of the test conditions are as follows: ambient temperature 25°C, the nominal input voltage, pure resistive nominal load.



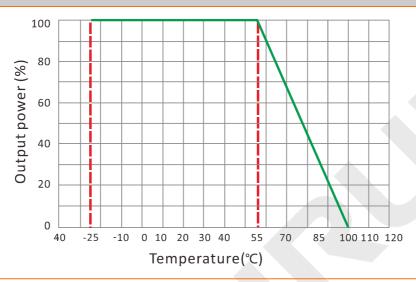
LAYOUT



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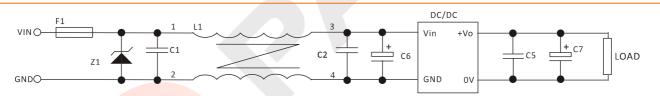


ELECTRICAL CURVE



NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT



- 1. TVS&FUSE be helpful with over voltage protection and inrush limiting. Recommended FUSE better be 1.5~2times of the rated current.
- 2. The input filter capacitor C6 could select the aluminum electrolytic capacitors or tantalum capacitors, and the withstand voltage should be greater than the highest input voltage. Recommended capacitor should be between $22\mu F^{\sim}100\mu F$.
- 3. C1,C2 for the input filter capacitor, $0.1^{\sim}1\mu\text{F}$ high-frequency ceramics capacitor or chip capacitor are recommended. The withstand voltage of output filter C5, C7 should be greater than the highest output voltage. Recommended capacitor of C7 better within $100\mu\text{F}$ and C5 connected with the chip to reduce the input voltage peak, recommended $0.1^{\sim}1\mu\text{F}$ high-frequency ceramics capacitor or chip capacitor.

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