

MOTIEN TECHNOLOGY CO., LTD.



Preferred and Trusted DC Power Source !

Motien Technology offers a complete product series of isolated DC/DC converters with fully regulated, semi-regulated and unregulated output voltage. We offer single output, dual output and dual separate output with fixed input range from power rating 0.25 to 3 Watt in different footprint. All models are with high efficiency and CE Approval! The latest products are T1 series, with high efficiency, the operating temperature range is extend from -40°C~+105°C, and long term short circuit protection. It offers an ideal solution for Factory Automation where the application environment is with higher temperature. VL2 series features with 5200VDC isolation and is very suitable for IGBT application.



Series	Watts	Input Range (VDC)	Output Range (VDC)	Efficiency	Package	Features
VA	0.25W	Fixed Input	3.3V 5V 12V 15V 24V 48V	77%	SIP 4 / DIP 8	1. Unregulated Single Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. 1000~3000 VDC Isolation 5. Certification: RoHS, CE 6. Application: Instruments, Industries Automation, etc
	0.5W					
	1W					
	1.5W					
VA-D01	1W	Fixed Input	3.3V 5V 12V 15V 24V	83%	DIP 8	1. Unregulated Dual Separate Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. 1000~3000 VDC Isolation 5. Certification: RoHS, CE 6. Application: Telecom, Industries Automation, etc
VA-DD1	1W	Fixed Input	3.3V 5V 12V 15V 24V	85%	DIP 8	1. Unregulated Dual Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. 1000~3000 VDC Isolation 5. Certification: RoHS, CE 6. Application: Telecom, Industries Automation, etc
V3	2W	Fixed Input	3.3V 5V 12V 15V 24V 48V	86%	SIP 7 / DIP 14	1. Unregulated Single & Dual Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. 1000~6000 VDC Isolation 5. Certification: RoHS, CE 6. Application: Telecom, Industries Automation, etc
V3-S / D 01 (02)	2W	Fixed Input	5V 12V 24V	80%	SIP 7 / DIP 14	1. Unregulated Dual Separate Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. 1000~3000 VDC Isolation 5. Certification: RoHS, CE 6. Application: Telecom, Industries Automation, etc
		S / D01 5V, 3.3V / 5V, 7.2V 5V, 9V / 5V, 12V 5V, 15V / 5V, 18V 5V, 24V	S / D02 3.3V, 3.3V / 5V, 5V 7.2V, 7.2V / 9V, 9V 12V, 12V / 15V, 15V 18V, 18V / 24V, 24V			
VE	2W	Fixed Input	5V 12V 15V 24V 48V	88%	SIP 4	1. Unregulated Single Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. 1000~3000 VDC Isolation 5. Certification: RoHS, CE 6. Application: Telecom, Industries Automation, etc



Series	Watts	Input Range (VDC)	Efficiency	Isolation Voltage (VDC)	Package	Features		
V1	0.5W	Fixed Input	3.3V 5V	79%	1000~6000	SIP 7 / DIP 14	1. Unregulated Single & Dual Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. Certification: RoHS, CE, CB, UL (1W) 5. Application: Industries Automation, Instruments, etc	
	0.75W		12V 15V 24V 48V	80%				
	1W		86%					
NEW T1	1W	Fixed Input	5V 12V 24V	81%	1500~3000	SIP7	1. Unregulated High Temperature Single & Dual Output 2. Low Ripple and Noise / Continuous Short Circuit Protection 3. Operation Temperature Range -40°C~+105°C 4. Certification: RoHS, CE 5. Application: Telecom, Auto Electronics, etc	
M1	1W	Fixed Input	5V 12V	89%	1000~3000	SIP7	1. Semi - regulated Single & Dual Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. Certification: RoHS, CE 5. Application: Sensors, Isolated Power Conversion, etc	
	2W		15V 24V					
	3W		48V	90%				
VL	1W	Fixed Input	5V 9V 12V 15V 24V	81%	6000	SIP 7	1. Unregulated Single & Dual Output 2. Low Ripple and Noise / Long Term Short Circuit Protection / Low coupling capacitance 3. Physical clearance Barrier of 2.5mm with rated working voltage 250V rms 4. Operation Temperature Range -40°C~+85°C 5. Certification: RoHS, CE 6. Application: IGBT, Smart Meter, etc	
NEW VL2	2W	5V 12V 15V 24V	85%	5200	1. Unregulated Single & Dual Output 2. Low Ripple and Noise / Long Term Short Circuit Protection / Low coupling capacitance 3. Rated working voltage for 250V rms 4. Operation Temperature Range -40°C~+95°C 5. Certification: RoHS, CE 6. Application: IGBT, Smart Meter, etc			
V4	1W	Fixed Input	3.3V 5V 12V 24V	73%	1000~3000	SIP 7 / DIP 14	1. Regulated Single Output 2. Low Ripple and Noise 3. Operation Temperature Range -40°C~+85°C 4. Certification: RoHS, CE 5. Application: Instruments, Industries Automation, etc.	
M4	1W	Fixed Input	5V 12V 24V	68%	1000~3000	SIP 7	1. Regulated Single Output 2. Low Ripple and Noise / Continuous Short Circuit Protection 3. Operation Temperature Range -40°C~+85°C 4. Certification: RoHS, CE 5. Application: Telecom, Industries Automation, etc	
V5	1.5W	Fixed Input	5V 12V 24V	79%	1000~6000	DIP 24	1. Regulated Single & Dual Output 2. Continuous Short Circuit Protection 3. Operation Temperature Range -40°C~+85°C 4. Certification: RoHS, CE 5. Application: Sub-Power System, Peripherals of Computer Systems, etc	
	2W			81%				
	3W			83%				

