

HVM Series DC-DC High-Voltage Module



1. Description

HVM series DC-DC high-voltage module is our latest designed high voltage power supply module. It supplies DC high-voltage from -30kV to 20kV. HVM series also has overcurrent protection and short circuit protection function.

2. Features

- Low cost
- Easy configuration
- Light weight and size
- Highly efficient DC-DC supply
- Overcurrent protection
- Short circuit protection
- Long well insulated output wire

3. Applications

- High voltage supply
- Electrostatic discharge testing
- Electrostatic applications

4. Specifications

The output voltage of the models we list in the table are the typical output voltage that we could supply. Please contact us if you need other parameters.

HVM Series DC-DC High-Voltage Module (Positive)

Model	HVM-A-501.15 P24	HVM-A-501.14 P12	HVM-A-102.15 P24	HVM-A-102.15 P24	HVM-A-102.14 P24	HVM-A-202.52 P12	HVM-A-402.13 P12	HVM-A-502.13 P12	HVM-A-602.34 P24	HVM-A-103.13 P12	HVM-A-203.13 P24	HVM-A-203.14 P24
Maximum Output Voltage	500V	500V	1000V	1000V	1000V	2000V	4000V	5000V	6000V	10kV	20KV	20kV
Analogue Control Voltage	0 ~ +5V/ Potentiometer regulation			Potentiometer regulation		0 ~ +5V	0 ~ +5V	0 ~ +5V	0 ~ +5V/ Potentiometer regulation			
Maximum Output Current	100mA	10mA	100mA	15mA	10mA	0.5mA	1mA	1mA	30mA	1mA	1mA	10mA
Input Voltage	DC24V±2V	DC12V±10%	DC24V±1V	DC24V±2V	DC24V±2V	DC12V±10%	DC12V±10%	DC12V±10%	DC24V±1V	DC12V±10%	DC24V±2V	DC24V±1V
Time drift	≤0.1%/h											
Load Regulation	≤0.5%											
Working temperature	-10°C ~ +50°C											
Temperature drift	≤0.1%/°C											
Dimensions (mm)	140×100×50	76×64×23	170×125×60	95×65×28	95×65×28	70×38×25	76×64×23	76×64×23	170×125×60	100×70×50	140×100×50	250×170×70
Protection	Current limiting								Turn off self-recovery	Current limiting	Turn off self-recovery	

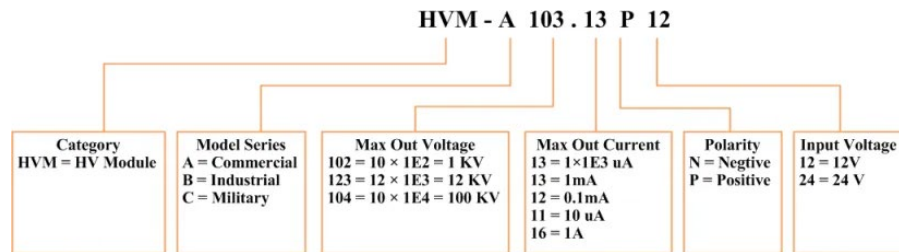
HVM Series DC-DC High-Voltage Module (Negative)

Model	HVM-A-501.14N 12	HVM-A-501.15N 24	HVM-A-102.15N 24	HVM-A-102.15N 24	HVM-A-102.14N 24	HVM-A-202.52N 12	HVM-A-402.13N 12	HVM-A-502.13N 12	HVM-A-103.13N 12	HVM-A-203.13N 24	HVM-A-303.13N 24
Maximum Output Voltage	-500V	-500V	-1000V	-1000V	-1000V	-2000V	-4000V	-5000V	-10KV	-20kV	-30kV
Analogue Control Voltage	0 ~ +5V	0 ~ +5V/ Potentiometer regulation		Potentiometer regulation		0 ~ +5V			0 ~ +5V/ Potentiometer regulation		
Maximum Output Current	10mA	100mA	100mA	15mA	10mA	0.5mA	1mA	1mA	1mA	1mA	1mA
Input Voltage	DC12V±10%	DC24V±2V	DC24V±1V	DC24V±2V	DC24V±2V	DC12V±10%	DC12V±10%	DC12V±10%	DC12V±10%	DC24V±2V	DC24V±2V
Time drift	≤0.1%/h										
Load Regulation	≤0.5%										

Working temperature	(-10°C ~ +50°C)										
Temperature drift	≤0.1%/°C										
Dimensions (mm)	76×64 ×23	140× 100×50	170× 125×60	95×65 ×28	95×65 ×28	70×38 ×25	76×64 ×23	76×64 ×23	100×70 ×50	140× 100×50	170× 100×50
Protection	Current limiting								Turn off self-recovery		

5. Ordering Information

Please Quote with Order Model Number:



Line	Part # or Option #	Description
1.1	HVM-A-501.15P24	HVM Series DC-DC High-Voltage Module
1.2	HVM-A-501.14P12	HVM Series DC-DC High-Voltage Module
1.3	HVM-A-102.15P24	HVM Series DC-DC High-Voltage Module
1.4	HVM-A-102.15P24	HVM Series DC-DC High-Voltage Module
1.5	HVM-A-102.14P24	HVM Series DC-DC High-Voltage Module
1.6	HVM-A-202.52P12	HVM Series DC-DC High-Voltage Module
1.7	HVM-A-402.13P12	HVM Series DC-DC High-Voltage Module
1.8	HVM-A-502.13P12	HVM Series DC-DC High-Voltage Module
1.9	HVM-A-602.34P24	HVM Series DC-DC High-Voltage Module
1.10	HVM-A-103.13P12	HVM Series DC-DC High-Voltage Module
1.11	HVM-A-203.13P24	HVM Series DC-DC High-Voltage Module
1.12	HVM-A-203.14P24	HVM Series DC-DC High-Voltage Module
1.13	HVM-A-501.14N12	HVM Series DC-DC High-Voltage Module
1.14	HVM-A-501.15N24	HVM Series DC-DC High-Voltage Module
1.15	HVM-A-102.15N24	HVM Series DC-DC High-Voltage Module
1.16	HVM-A-102.15N24	HVM Series DC-DC High-Voltage Module
1.17	HVM-A-102.14N24	HVM Series DC-DC High-Voltage Module
1.18	HVM-A-202.52N12	HVM Series DC-DC High-Voltage Module
1.19	HVM-A-402.13N12	HVM Series DC-DC High-Voltage Module
1.20	HVM-A-502.13N12	HVM Series DC-DC High-Voltage Module
1.21	HVM-A-103.13N12	HVM Series DC-DC High-Voltage Module
1.22	HVM-A-203.13N24	HVM Series DC-DC High-Voltage Module
1.23	HVM-A-303.13N24	HVM Series DC-DC High-Voltage Module

(Please note, this is the option reference, please contact us to discuss more details or customized values)