

Product Comparison Chart

Maximum Output Power	0.1 Watt	0.5 Watt			1 Watt		3 Watts
Series	nHV	UMHV	UMHV-DI	DI-Q	SMHV	HVA	M
Key Features	HVM's smallest HV converter; regulated	Indirectly regulated; high impedance programming pin	Improved drop-in for EMCO Q Series or Pico AV Series; indirectly regulated; proportional	Drop-in for EMCO Q Series; proportional	High performance; precision regulation; voltage and current monitor outputs; current limit control	Bi-polar, zero crossing high voltage amplifier; high speed; precision regulation	High performance; precision regulation; voltage and current monitor outputs; current limit control
Size (L x W x H)	0.45" x 0.35" x 0.37	0.5" x 0.5" x 0.5"			0.85" x 0.85" x 0.6"	3.0" x 1.5" x 0.5"	2.5" x 1.5" x 0.4"
Input Voltage (VIN)	Fixed 5V	Fixed 5V or 12V	0-5V; 0-12V		Fixed 5V	Fixed 5V or 12V	Fixed 12V
Full Scale Output Voltage	100V, 200V, 500V, 1kV, 2kV	100V, 200V, 500V, 1kV, 2kV, 3kV, 4kV, 5kV			500V, 1kV, 2kV, 3kV, 4kV, 5kV, 6kV, 8kV, 10kV	±1kV, ±3kV, ±6kV	500V, 1kV, 2kV, 3kV, 4kV, 5kV, 6kV, 8kV, 10kV
Load Regulation (No Load to Full Load)	0.2%	20.0%			0.2%	0.5%	0.2%
Programming Voltage (PGM)	0-5V		Output is proportional to VIN		0-5V	0 to 5V (produces -FS to +FS)	0-5V
Voltage Monitor (VMON)	n/a	n/a	n/a	n/a	0-1V	n/a	0-1V
Current Monitor (IMON)	n/a	n/a	n/a	n/a	0-1V	n/a	n/a
Current Limit (ILIM)	n/a	n/a	n/a	n/a	0-1V	n/a	n/a