

PINTEK High Voltage Amplifier Selection Guide

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MODEL	HA-205	HA-400	HA-405	HA-800	HA-805
Feature	170V Very Fast	400V Economic	400V Big Power	800V Economic	800V Big Power
Output DC Voltage	± 85V	± 200V	± 200V	± 400V	± 400V
Output AC Voltage	170Vp-p	400Vp-p	400Vp-p	800Vp-p	800Vp-p
DC Current (Max.)	± 450mADC	± 80mADC	± 200mADC	± 35mADC	± 100mADC
AC Current (Max.)	900mA _{p-p}	160mA _{p-p}	400mA _{p-p}	70mA _{p-p}	200mA _{p-p}
Output Power (Max.)	76 VA	32 VA	80 VA	28 VA	80 VA
Bandwidth (Typ.)	3 MHz/100V _{p-p}	600KHz/200V _{p-p}	1 MHz/200V _{p-p}	200KHz/400V _{p-p}	300KHz/400V _{p-p}
Slew Rate (Typ.)	2500V/us	300V/us	500V/us	200V/us	300V/us
Output Resistance (Protection SW OFF)	10Ω	50Ω	50Ω	100Ω	100Ω
Output Resistance (Protection SW ON)	500Ω/80watt	4KΩ/40watt	2KΩ/80watt	15KΩ/40watt	7.5KΩ/80watt
Safe Loading	≥ 190Ω/170V _{p-p}	≥ 2.5KΩ/400V _{p-p}	≥ 1KΩ/400V _{p-p}	≥ 11KΩ/800V _{p-p}	≥ 4KΩ/800V _{p-p}
Input Voltage/Max.	0~5V _{p-p} /20V _{p-p}	0~5V _{p-p} /20V _{p-p}	0~5V _{p-p} /20V _{p-p}	0~5V _{p-p} /20V _{p-p}	0~5V _{p-p} /20V _{p-p}
Voltage Gain	0~35 10Turn VR Sel.	0~90 10Turn VR Sel.	0~90 10Turn VR Sel.	0~180 10Turn VR Sel.	0~180 10Turn VR Sel.
DC OFFSET	0 or ± 80V 10Turn VR +SW	0 or ± 200V 10Turn VR +SW	0 or ± 200V 10Turn VR +SW	0 or ± 400V 10Turn VR +SW	0 or ± 400V 10Turn VR +SW
Monitor Output (Division Ratio)	Sync 100 : 1	Sync 100 : 1	Sync 100 : 1	Sync 100 : 1	Sync 100 : 1
Output Protection	1.Protection Resister 2.Microprocess Control.	1.FUSE 2.Protection Resister	1.FUSE 2.Protection Resister 3.Microprocess Control.	1.FUSE 2.Protection Resister	1.FUSE 2.Protection Resister 3.Microprocess Control.

※ Specifications and appearance design subject to change without notice.