

These charts are intended as selection guides only. For complete and precise specifications, consult the data sheet for each model.

Bias Supply Applications Guide

Detector Type	Model	Function
Electron Multipliers, Microchannel Plates, Photomultiplier Tubes, Microchannel Plate PMTs, Scintillation Detectors, Geiger-Mueller Tubes, Proportional Counters	556/556H	0 to ± 3 kV, 0 to 10 mA
Ionization Chambers	659 660 710 556/556H	0 to ± 5 kV and 0 to ± 500 V, 100 μ A Dual 0 to ± 5 kV and 0 to ± 500 V, 100 μ A Quad 0 to ± 1 kV, 20 μ A 0 to ± 3 kV, 0 to 10 mA
Semiconductor Charged-Particle Detectors	428 710	Dual 0 to ± 1 kV Quad 0 to ± 1 kV, 20 μ A
Semiconductor Photon Detectors [Ge and Si(Li)]	659 660	0 to ± 5 kV and 0 to ± 500 V, 100 μ A Dual 0 to ± 5 kV and 0 to ± 500 V, 100 μ A
Photodiodes	710	Quad 0 to ± 100 V or 0 to ± 1 kV, 20 μ A

NIM Bins and Power Supplies Selection Guide

Model	Function	Module Connectors	Maximum Power (W)	Amperes Available @ Voltage					
				+6	-6	+12	-12	+24	-24
495	Add-on 6 V Power	N/A	36		6 or 6				
4001A	Standard NIM Bin	12	N/A						
4001C	High-Current NIM Bin	12	N/A						
4002A	Bin Power without ± 6 V	N/A	96			2	2	1	1
4002D	Bin Power with ± 6 V	N/A	160	10	10	3	3	1.5	1.5
4002E	Extra-High Bin Power	N/A	300	12	12	4	4	2	2
4002P	Portable Preamp Power	1 (plus 4 to 12 preamps)	48						
4003	Preamp Power Output	(6 preamps)	N/A						
4006	Minibin and Power Supply	6 (plus 2 preamps)	120W	4	4	1.5	1.5	0.75	0.75

Specifications subject to change
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