

Product Summary – High Voltage Power Supplies

Please note - these are generic types only – many other variants are available to order

Type Number	Max Voltage V	PSU Power Capability W	Pulse or CW	Pulse Length us	Prime Power	Tube/Gun Type	Cooling	Size Lxwxh mm	Weight kg	Application & Other Notes
PTM8103	5000	500	PULSE/CW		270 VDC	Focus Electrode Mini TWT (Single or Dual)	Conduction	160x250x32	2	EW, Comms, Radar
PTM6594	6000	1600	CW	-	280 VDC	Diode TWT	Conduction	230x160x135	5	EW
PTM6611	9000	1000	CW	-	100 VDC	Diode TWT	Conduction	330x178x103	7	Comms
PTM6593	10000	1000	CW	-	115 VAC, 3-Ph 400 Hz	Focus Electrode TWT	Conduction	340x120x56	4	EW
PTM6259	11000	1500	CW	-	115 VAC, 3-Ph 400 Hz	Grid TWT	Conduction	360x194x103	9.5	EW
PTM6263	15000	1000	PULSE	40	115 VAC, 3-Ph 400 Hz	Grid TWT	Conduction	360x194x103	10	Radar Single collector
PTM6288	15000	1500	PULSE	50	115 VAC, 3-Ph 400 Hz	Grid TWT	Conduction	360x194x103	9	Radar Dual collector
PTM6688	15000	1500	PULSE	50	115 VAC, 3-Ph 400 Hz	Grid TWT	Conduction	360x194x103	9	Radar Triple collector
PTM6395	15000	1000	PULSE	25	115 VAC, 3-Ph 400 Hz	Grid TWT	Conduction	345x120x56	4	Radar
PTM6597	15000	1000	PULSE	10	115 VAC, 3-Ph 400 Hz	Grid TWT	Conduction	308x152x95	7	EW
PTM7721	15000	1500	PULSE	150	115 VAC, 3-Ph 400 Hz	Grid TWT	Conduction	440x187x120	13	Ultra low noise Radar

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PTM7599	15000	1500	PULSE	100	115 VAC. 3-Ph 400 Hz	Grid TWT	Conduction	440x187x120	13	Ultra low noise Radar
PTM6363	35000	6000	PULSE	120	115 VAC. 3-Ph 400 Hz	Grid TWT	Conduction	500x300x300	20	Radar
Capacitor Chargers										
TMD can provide customised capacitor charger power supplies to special order. From 20-250 kW; 15-20 kV										

TMD is also able to provide control boxes and filters according to customers' requirements.

Control Boxes	
Custom control boxes can be provided for many of TMD PTX MPMs and rugged amplifiers (Datasheet EVD6106 describes the range)	
EMI Filters	
PTF6483	Designed to operate with PTM6482 power supply, meeting the emissions requirements of MIL-STD-461E.
PTF6959	Designed to supplement the input filter already fitted within the PTM6688 and PTM6559 series high voltage power supplies meeting the emissions requirements of MIL-STD-461E:

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