EAD *POWERMASTER*™ Specifications

Model	**PM 500**	**PM 1000**	**PM 2000**
Number of Channels	5	5	5
Architecture	Push-pull **Acculinear**™ amplification with **Dynamic Energy Steering**™ power supply.	Full-bridge **Acculinear**™ amplification with **Dynamic Energy Steering**™ power supply.	**True Balanced**™ **Acculinear**™ amplification with **Dynamic Energy Steering**™ power supply.
Component quality	0.1% Vishay metal film resistors, FR-4 board material, premium quality RCA jacks.	0.1% Vishay metal film resistors, FR-4 board material, premium quality RCA jacks. Ultra-premium speaker binding posts.	0.1% Vishay metal film resistors, FR-4 board material, premium quality RCA jacks, premium grade metal XLR jacks. Ultra-premium speaker binding posts.
Peak Output Current Per Ch.	25 A	25 A	50 A
Frequency Response ±0.2 dB	5 Hz - 20 kHz	5 Hz - 20 kHz	5 Hz - 20 kHz
Full Power Bandwidth	> 30 kHz	> 30 kHz	> 30 kHz
S/N Ratio	100 dB	100 dB	110 dB
Damping Factor (8 Ω)	80	40	80
Dynamic Headroom	0.2 dB @ 8 Ω	0.2 dB @ 8 Ω	0.3 dB @ 8 Ω 0.9 dB @ 4 Ω
Inter-Channel Crosstalk	< -80 dB	< -80 dB	< -100 dB
Input Impedance	20 kΩ	20 kΩ	25 kΩ + 25 kΩ
CMRR @50/60 Hz	n/a	n/a	110 dB (Bal. Input)
12 V Trigger (3.5 mm jack)	Yes	Yes	Yes
Cooling	Convection	Convection	Convection
Weight	40 lb/18 kg	70 lb/32 kg	115 lb/50 kg
Protection	Under-voltage, output short, over-current, over-temperature.	Under-voltage, output short, over-current, over-temperature.	Under-voltage, over-voltage, short to ground, output short, over-current, over-temperature.
Dimensions (DxWxH)	13x17x5 inches 33x43x13 cm	19½x17x7 inches 50x43x18 cm	22x17x8 inches 56x43x20 cm
Transformer	750 VA toroidal	1200 VA toroidal	2000 VA toroidal
Power Supply Capacitance	0.1 F	0.2 F	0.44 F
AC Line Voltage (50/60 Hz)	100/120/220/240V	100/120/220/240V	100/120/220/240V
Input Connectors	RCA	RCA	RCA, XLR
Output Connectors	Binding Posts	Binding Posts	Binding Posts
THD+N	< 0.03 %	< 0.03 %	< 0.03 %
IMD	< 0.03 %	< 0.03 %	< 0.03 %
Sensitivity (for rated output)	1 V_{rms}	1.4 V_{rms}†	1.4 / 2.8 / 5.6 V_{rms}
Gain	29 dB	29 dB†	20 dB/26 dB/32 dB
Output Power (8 Ω) (all channels driven)	100 W	200 W	400 W
Output Power (4 Ω)	160 W	375 W	800 W
Output Power (2 Ω)	n/a	n/a	1000 W

†Changed from 0.7 V_{rms} and 35 dB, respectively.