

	PowerMatch® PM8500/8500N	PowerMatch® PM8250/8250N	PowerMatch® PM4500/4500N	PowerMatch® PM4250/4250N
	configurable power amplifier	configurable power amplifier	configurable power amplifier	configurable power amplifier
Back Panel View*				
Output Channels, Total Power ₁	8 channels 4000 W, configurable Supports 2/4/8 Ω and 70/100V	8 channels 2000 W, configurable Supports 2/4/8 Ω and 70/100V	4 channels 2000 W, configurable Supports 2/4/8 Ω and 70/100V	4 channels 1000 W, configurable Supports 2/4/8 Ω and 70/100V
Mono Mode Output Power	500 W (2 Ω and 4 Ω) 300 W (8 Ω)	250 W (2 Ω, 4 Ω, 8 Ω)	500 W (2 Ω and 4 Ω) 300 W (8 Ω)	250 W (2 Ω, 4 Ω, 8 Ω)
V-Bridge Mode Output Power	1000 W (4 Ω, 8 Ω, 100V) 800 W (70V)	500 W (4 Ω, 8 Ω, 100V) 400 W (70V)	1000 W (4 Ω, 8 Ω, 100V) 800 W (70V)	500 W (4 Ω, 8 Ω, 100V) 400 W (70V)
I-Share Mode Output Power	1000 W (2 Ω)	500 W (2 Ω)	1000 W (2 Ω)	500 W (2 Ω)
Quad Mode Output Power	2000 W (4 Ω, 100V) 1600 W (70V)	1000 W (4 Ω, 100V) 800 W (70V)	2000 W (4 Ω, 100V) 1600 W (70V)	1000 W (4 Ω, 100V) 800 W (70V)
Frequency Response	20 Hz - 20 kHz (+/-0.5 dB)			
Signal to Noise Ratio	>102 dBA (below rated power)	>99 dBA (below rated power)	>102 dBA (below rated power)	>99 dBA (below rated power)
THD	<0.4% (at 1 W, 20 Hz to 20 kHz)			
Input Channels	(8) Balanced 3-pin Euroblock, Digital expansion card slot		(4) Balanced 3-pin Euroblock, Digital expansion card slot	
Control	Fault-Notification Output, Ethernet control ₂ , and Serial over Ethernet ₂			
DSP Functions	Bose® loudspeaker EQ, mixer/router, speaker array EQ, input EQ, delay, limiting, signal generator			
PC Configuration Software	ControlSpace® Designer™ software			
Dimensions	3.5" H x 19" W x 20.7" D (88 mm x 483 mm x 525 mm)			
Net Weight	28.4 lb (12.9 kg)		28.3 lb (12.8 kg)	
AC Mains Requirement	100 to 240 VAC (50/60 Hz), 20A (120V) or 16A (230V)		100 to 240 VAC (50/60 Hz), 15A (120V) or 10A (230V)	
Primary Applications	Auditoriums, Performing Arts Venues, Theaters, Houses of Worship, Arenas, Hospitality Venues	Houses of Worship, Retail Locations and Malls, Restaurants, Auxiliary Zones, Conference and Hospitality Venues	Auditoriums, Performing Arts Venues, Theaters, Houses of Worship, Arenas, Hospitality Venues	Houses of Worship, Retail Locations and Malls, Restaurants, Auxiliary Zones, Conference and Hospitality Venues
Accessories	PowerMatch Dante™ network card (PC 359844-0020) PowerMatch CobraNet® card (PC 345975-0110) PowerMatch ESPLink digital input card (PC 349898-0110) PowerMatch AES3 input card (PC 638301-0010) ControlSpace® CC-64 control center ₂ (PC 041760)			