

P-S Series

Power Amplifiers



P7000S



P5000S



P3500S



P2500S



P7000S Rear Panel



Reliable, professional-quality power amplification for a broad range of applications.

- In 4Ω bridged mode the P7000S delivers 3200 watts, the P5000S 2600 watts, the P3500S 2000 watts, and the P2500S 1300 watts.
- Yamaha EEEngine technology significantly reduces power consumption and heat generation.
- Independent sweepable high-pass and low-pass filters on each channel so you can optimize output for subwoofer or full range systems.
- Neutrik Speakon output jacks and 1/4-inch output jacks for each channel, in addition to 5-way binding post.
- Balanced XLR and 1/4-inch TRS jacks are provided for channel input.
- Variable-speed fans offer quiet, efficient cooling.
- Comprehensive protection includes power on/off muting, DC detection, thermal protection, current limiting, and a protective cover for the attenuators.
- YS Processing (Yamaha Speaker Processing) achieves optimum matching with Yamaha Club Series loudspeaker systems.

GENERAL SPECIFICATIONS

Model		P7000S	P5000S	P3500S	P2500S	
Output Power	1kHz, THD+N = 1%	4Ω	1100W x 2	750W x 2	590W x 2	390W x 2
		8Ω	750W x 2	525W x 2	390W x 2	275W x 2
		8Ω bridge	2200W	1500W	1180W	780W
	1kHz, 20ms burst	2Ω	1600W x 2	1300W x 2	1000W x 2	650W x 2
		4Ω bridge	3200W	2600W	2000W	1300W
		20Hz ~ 20kHz, THD+N = 0.1%	4Ω	950W x 2	700W x 2	450W x 2
8Ω	700W x 2 650W x 2 (230V)		500W x 2	350W x 2	250W x 2	
8Ω bridge	900W		1400W	900W	620W	
Voltage Gain	RL=8Ω	32dB				
Input Sensitivity	RL=8Ω	+8dBu	+6dBu	+4dBu	+3dBu	
S/N Ratio	20Hz-20kHz, DIN AUDIO	104dB	103dB	102dB	100dB	
Power Consumption	1/8 power (4Ω pink noise)	650W	500W	450W	320W	
	Idle	35W	35W	30W	25W	
THD+N	20Hz-20kHz, 1/2 power, RL=4Ω	Less than 0.1%				
Frequency Response	RL=8Ω, Po=1W, 20Hz - 50kHz	+0dB, -1.5dB				
Crosstalk	1kHz, half power, 8Ω Att. max, input 600Ω shunt	Less than -70dB				
Damping Factor	RL=8Ω, 1kHz	More than 350		More than 200		
Maximum Input Level		+22dBu				
Input Impedance		30kΩ (balanced), 15kΩ (unbalanced)				
Controls	Front Panel	POWER switch x 1 (push on/push off), Attenuator x 2 (31position)				
	Rear panel	MODE switch x 1 (STEREO/BRIDGE/PARALLEL), FILTER switch x 2 (SUB WOOFER/LOW CUT/OFF), FREQUENCY control x 2 (25Hz ~ 150Hz) (12dB/oct), YS PROCESSING switch x 1 (ON/OFF)				
Connectors	Input	XLR-3-31 type x 2, 1/4" TRS phone x 2				
	Output	Neutrik® SPEAKON® NL4 x 2, 5-way binding post x 2 pairs, 1/4" phone x 2				
Indicators		POWER x 1 (Green), PROTECTION x 1 (Red), TEMP x 1 (Red) heatsink temp ≥ 85°C, YS PROCESSING x 1 (Yellow), SIGNAL x 2 (Green), CLIP x 2 (Red)				
Load Protection		POWER switch on/off mute, DC-fault: Amplifier shuts down automatically, Clip limiting: THD ≥ 0.5%				
Amplifier Protection		Thermal: Output Mute (heatsink temp ≥ 90°C) (Operation not restored automatically), VI limiter (RL ≤ 1Ω): Output limit				
Cooling Fan		Variable-speed fan x 2		Variable-speed fan x 1		
Power Requirements		120V, 220V-240V; 50Hz/60Hz				
Dimensions (WxHxD)		480 x 88 x 456mm (18-7/8" x 3-7/16" x 17-15/16")				
Weight		12kg (26.5lbs)		15kg (33.1lbs)	14kg (30.9lbs)	
Included Accessories		Security cover x 1, Owner's manual				

* Half power = 1/2 power output level

DIMENSIONS

unit : mm

