

POWER AMPLIFIERS

P7000S/P5000S P3500S/P2500S



P7000S

- ≤ YS Processing (Yamaha Speaker Processing) delivers performance that perfectly matches our Club Series speakers for maximum performance from your system.
- ≤ Independent sweepable high and low pass filters on each channel optimize output for subwoofer or full range systems for peak audio quality and performance from any speaker system.
- ≤ Light Weight Keeps Transport and Setup Easy.
- ≤ Flexible connectivity is supplied in the form of Neutrik Speakon[®] output jacks and 1/4-inch output jacks for each channel in addition to 5-way binding post.
- ≤ The chassis is specially designed to provide added durability and strength.
- ≤ Comprehensive protection consists of power on/off muting, DC detection, thermal protection, current limiting, and a protective cover for the attenuators is also supplied.
- ≤ Yamaha's exclusive EEEngine technology delivers extremely efficient operation, which keeps operational costs down by significantly reducing AC power consumption and heat generation.

≤ GENERAL SPECIFICATIONS

	P7000S	P5000S	P3500S	P2500S
Output Power	8Ω/STEREO	750W+750W	525W+525W	390W+390W
	4Ω/STEREO	1100W+1100W	750W+750W	590W+590W
	8Ω/BRIDGE	2000W	1500W	1180W
	THD+N=1%			780W
20-20KHz	8Ω/STEREO	700W+700W	500W+500W	350W+350W
	4Ω/STEREO	950W+950W	700W+700W	450W+450W
	8Ω/BRIDGE	1900W	1400W	900W
	THD+N=0.1%			620W
1KHz	2Ω/STEREO	1600W+1600W	1300W+1300W	1000W+1000W
	4Ω/BRIDGE	3200W	2600W	2000W
20mS nonclip				1300W
Power Bandwidth	halfpower	10Hz-40kHz (THD+N=0.5%)		
THD+N	20Hz-20kHz, half power	≤0.1%		
Intermodulation Distortion	60Hz: 7kHz, 4:1, half power	≤0.1%		
Frequency Response	Po=1W, RL=8Ω	0dB, +0.5dB, 0.1dB f=20Hz-50kHz		
Channel Separation	half power RL=8Ω	≥70dB 1kHz		
	Att.max input 600Ω shunt			
Residual noise Att. min	DIN AUDIO	≤0.70dB		
S/N ratio	DIN AUDIO	104dB	103dB	102dB 100dB
Damping Factor	RL=8Ω	≥350		≥200
	1KHz			
Sensitivity @8Ω	Att.max	+8dB	+6dB	+4dB +3dB
	Att.max	32.1dB		
Input Impedance		30KΩ (balance) 15kΩ (unbalance)		
Controls	Front Panel	POWER switch (push on/push off) attenuator (31position) × 2		
	Rear Panel	MODE switch (STEREO/BRIDGE/PARALLEL) FILTER switch (SUB WOOFER/LOW CUT/OFF) × 2 FREQ.CONTROL (25Hz-150Hz) × 2 YAMAHA SPEAKER PROCESSING switch (ON/OFF)		
Connectors	Input	XLR-3-31 type/ch 1/4" TRS/ch		
	Output	SPEAKON, 5way biding post, 1/4" phone/ch		
Indicators	POWER	× 1 (Green)		
	PROTECTION	× 1 (Red)		
	TEMP	× 1 (Red) heatsink temp ≥85°C		
	YS PROCESSING	× 1 (Yellow)		
	SIGNAL	× 2 (Green)		
	CLIP	× 2 (Red)		
Load Protection		POWER switch on/off mute DC-fault power supply shutdown (P7000S/5000S) DC-fault power output cut (P3500S/2500S)		
Amplifier Protection		Thermal (heatsink temp≥90°C) V _I limiter (RL≤1Ω)		
Limiter Circuit		comp. :THD≥0.5%		
Cooling		Dual variable-speed fan	Single variable-speed fan	
Power Requirements		US and Canada model	120V 60Hz	
		Europe model	230V 50Hz	
		Australia model	240V 50Hz	
Idle Power Consumption		35W	35W	30W 25W
1/8 Power Consumption (4Ω)		700W	550W	450W 320W
Maximum Power Consumption (4Ω)		4000W	3000W	2000W 1600W
Dimensions (W × H × D)		480 × 88 × 456 mm (18-7/8" × 3-7/16" × 17-15/16")		
Weight		12kg (26.5 lbs.)	12kg (26.5 lbs.)	15kg (33.1 lbs.) 14kg (30.9 lbs.)

¥ 0dB=0.775V ¥ half power=1/2 output power

¥ The design & specifications presented in this release are preliminary, and may be changed without notice.