

# Ashly pema 4250.10 4 x 250W/100V Pema Network Power Amplifier/Constant Voltage with 8x8 Protea DSP

PEMA Models	4125	8125	4250	8250
<b>Continuous Average Power: Output Per Channel, Low Z Models, Stereo Mode, 20Hz-20kHz, 1%THD, All Channels Driven</b>				
4 Ohms	125W	125W	250W	250W
8 Ohms	75W	75W	150W	150W
<b>Low Z Output: Bridge Mode, 20Hz-20kHz, 1% THD, All Channels Driven</b>				
8 Ohms	250W	250W	500W	500W
<b>25V, 70V, 100V Constant Voltage Models: 20Hz-20kHz, 1% THD, All Channels Driven</b>				
25V (per channel)	125W*	125W*	250W	250W
70V (per channel)	125W	125W	250W	250W
100V (per channel)	125W	125W	250W	250W
<b>Line Current Draw: 120V, All Channels Driven</b>				
Standby Mode	190mA	290mA	190mA	290mA
Idle (no signal)	590mA	565mA	540mA	565mA
<b>1/8 Max Power, Pink Noise, All Channels Driven</b>				
Typical	1.70A	2.78A	2.85A	5.0A
<b>1/3 Max Power, Sine Wave, All Channels Driven</b>				
Maximum	3.27A	5.78A	6.00A	11.0A
<b>Thermal Dissipation: BTU/hr, All Channels Driven</b>				
Standby Mode	46,7	63,8	46,7	63,8
Idle (no signal)	123	187	123	187
<b>1/8 Max Power, Pink Noise, All Channels Driven</b>				
Typical	232	444	341	700
<b>1/3 Max Power, Sine Wave, All Channels Driven</b>				
Maximum	251	481	378	775
<b>Signal to Noise</b>				
20Hz-20kHz, Unweighted	>102dB	>102dB	>105dB	>105dB
<b>Front Panel LED Indicators</b>				
<b>Unit Status</b>				
POWER	Blue	Switch: On, Of		
STANDBY	Yellow	Standby, flashing		
PROTECT	Red	On, Off		
DISABLE	Yellow	On, Off		
COM	Green	On, for Ethernet data or Device ID		
<b>Each Channel</b>				
	Red	Clip/Mute		
SIGNAL LEVEL	Yellow	-6dB		
	Green	-18dB, -12dB		
BRIDGE	Green	Per Channel		
TEMP	Yellow	Per Channel		
CURRENT	Green	Per Channel: Proportional to output		
<b>Specifications</b> Note: 0dBu = 0.775 VRMS				
Input Sensitivity (Low Z models)	3.2dBu (4125/8125) 6.2dBu (4250/8250) 7.2dBu (70V/100V models)			
Voltage Gain	26dB (Low Z models), 32dB (70V models) 35dB (100V models)			
Damping Factor	>250 (8 Ohm load, <1kHz)			
Distortion	<0.5% (SMPTE, typical) <0.5% (THD-N, typical, 8 Ohm, 10dB below rated power, 20Hz-20kHz)			
Channel Separation	-80dB (dB from full output, 1kHz)			
Frequency Response	20Hz-20kHz, +/-1dB			
Mic/Line Input Impedance	4.8k Ohms			
Mic/Line Maximum Input Level	+21dBu			

Mic/Line Preamp Gain	0, +20dB, +40dB, +60dB
Mic/Line Phantom Power	+15V, switchable ch. 1-4, 5-8
Summed Mono	3.16k Ohm (Input Impedance) +11dBu (Maximum Input Level)
Channel 1 TEL-PBX	3.9k Ohm (Input Impedance) +21dBu (Maximum Input Level)
Preamp Output Maximum Level	+8dBu
AUX Output Maximum Level	+20dBu
Environmental	40-120 deg. F, (4-49 deg. C) (noncondensing)
<b>Rear Panel</b>	
Controls	Ethernet 10/100, Channel 1 TEL-PBX Switch, Remote Standby, Preset Recall (4), Remote Level (8), Remote Data
Connectors (each channel)	Input: Euroblock Output: Euroblock
<b>Audio Connections</b>	
1 Euro connector balanced input, selectable for Mic, Line or TEL- PBX	
7 Euro connector balanced inputs, software selectable for Mic or Line	
8 pairs of unbalanced, summed mono RCA connectors optimized for consumer line level (-10dBV nominal) devices	
8 Euro connector Preamp/Aux outputs	
4 or 8 Euro connector speaker outputs	
CobraNet® and Dante® Digital I/O options	
<b>Remote Accessories</b>	
WR-1	2-Channel Level Control
WR-1.5	Level and Preset Recall
WR-2	Four-Position Switch
WR-5	Programmable Selector
neWR-5	Programmable Network Remote
FR-8	8-Channel Network Fader Remote
FR-16	16-Channel Network Fader Remote
RD/RW-8C	Serial Data Fader Remote
Ashly Remote	Remote Control Application for Apple® iPad®
<b>Power Requirements</b>	
AC Mains	120VAC or 240VAC, ±10% 50-60Hz
Power Cable Connector	15A Edison, 3-Prong IEC
<b>Weights and Dimensions</b>	
Dimensions	19" W x 3.50" H x 16.84" D (483mm x 89mm x 428mm)
Airflow	IN through sides, OUT through front
Unit Weight	4125/4250: 23.5 lbs (10.7 kg) 8125/8250: 25 lbs (11.3 kg)
Shipping Weight	4125/4250: 30.9 lbs (14 kg) 8125/8250: 32.3 lbs (14.7 kg)
Environmental	40-120 deg. F, (4-49 deg. C) (noncondensing)