

S-PRO Series Amplifier Module

PASCAL



S-PRO2
500 + 500 W
725 + 250 W
1000 W (Bridge mode)



S-PRO3 (S-PRO2 + S-A1)
3 x 500 W
725 + 500 + 250 W
1000 + 500 W



S-PRO4 (S-PRO2 + S-A2)
4 x 500 W
4 x 250 W
1000 + 2 x 500 W



Pascal S-PRO Series - An ultra compact power platform featuring audiophile sonic performance and integrated power supply with PFC for 1 to 4-way applications.



Flexible Power Configuration

Pascal S-PRO Series amplifier modules provides a flexible power platform for 1-4 channel configuration. The possibility to configure the power asymmetrical makes it especially ideal for selfpowered loudspeaker applications where you need the most power for the LF section.



Ultra Compact, Ultra Efficient

The S-PRO Series is the most compact +1000 W amplifier modules in the world, making it possible to integrate in ultra compact chassis or trapezoidal loudspeaker cabinets. Furthermore, the S-PRO Series boast of the world's best system efficiency, thus minimizing the need for heatsink and cooling.



Unmatched Sonic Performance

Thanks to Pascal's proprietary UMAC™ Class-D technology, Pascal amplifier modules deliver unmatched audio specifications. The UMAC™ technology ensures Pascal amplifier modules offer the highest dynamic range and the lowest distortion in the pro audio industry.



Auxiliary Power & Readouts

Auxiliary power is available to power DSP- or analog input cards. In addition readouts of protect/mute, temperature and clip are accessible for DSP/Network or IO-boards. The S-PRO Series features ultra low standby power consumption for EuP2013 and green energy star compliance.



Universal Mains & PFC

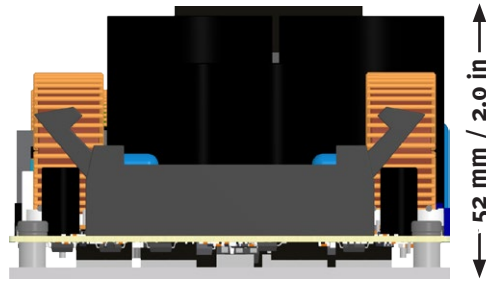
Pascal's UREC™ PFC (Power Factor Correction) power supply technology provides universal mains operation, eliminating the need for market specific products and related reliability issues. The power supply is regulated delivering consistent power world-wide.



Safety Approved - EMC Compliant

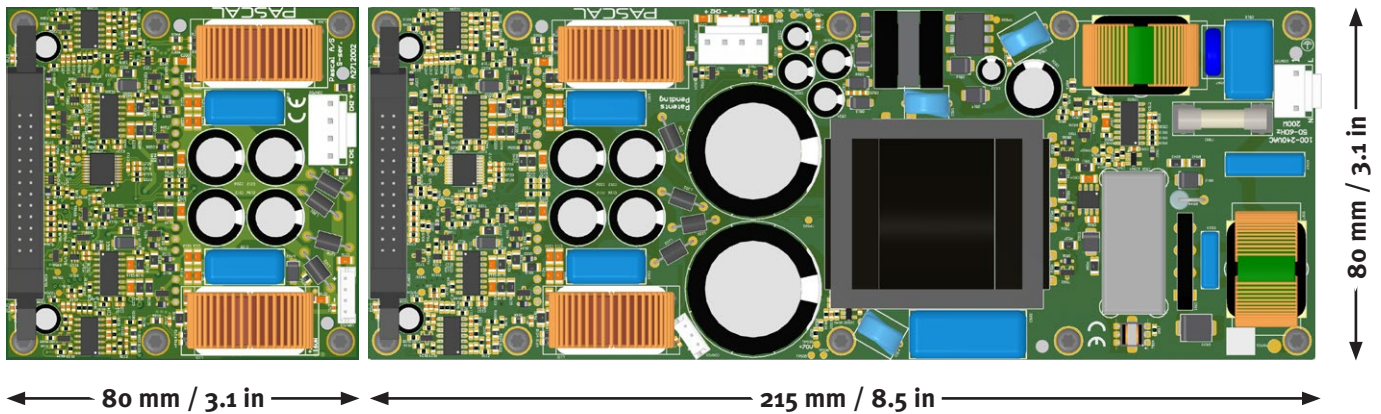
Pascal amplifier modules are safety approved and verified for EMC compliance. CB test certificates are available for easy market approval.

Specifications:



S-A1 / S-A2 Extension board

S-PRO2



Power Ratings (RMS @ 1% THD @ 230Vac)

		8 Ω	4 Ω	2.7 Ω	2 Ω
S-PRO2	Output power per channel	2 x 250 W	2 x 500 W	2 x 725 W*	Load stable
	Output power bridge mode	1000 W	1000 W**	Load stable	Load stable
S-PRO3 (S-PRO2 + S-A1 ext. board)	Output power per channel	3 x 250 W	3 x 500 W	3 x 725 W*	Load stable
	Output power bridge mode	1000 + 250 W*	1000 + 350 W**/**	Load stable	Load stable
S-PRO4 (S-PRO2 + S-A2 ext. board)	Output power per channel	4 x 250 W	4 x 500 W*	4 x 725 W*	Load stable
	Output power bridge mode	1000 + 2 x 250 W*	1000 + 2 x 350 W**/**	Load stable	Load stable

Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra low distortion
Output Voltage	70 V _p / 140 V _{pp} (unloaded) / Bridged 140 V _p / 280 V _{pp} (unloaded)
Amplifier Gain	26 dB
Signal To Noise-Ratio	> 120 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)
THD+N (typical)	< 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)
Frequency Response	20 Hz - 20 kHz (+0/-0.25 dB (8 Ω load, 3 dB below rated power)
Damping Factor	> 1000 (8 Ω load, 1 kHz and below)
Protection Circuits	Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection
Readouts for DSP/Network	Protect/Disable (mute), Temperature, Clip (for each channel)
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and integral standby converter
Operation Voltage	Universal Mains, 85-265V
Aux. Power for DSP	±15 V (100 mA), +7.5 V (500 mA)
Standby Consumption	< 0.35 W (Green Energy Star & ErP 1275/2008/EC compliant)
Dimensions	S-PRO2: 52 x 80 x 215 mm / 2.0 x 3.1 x 8.5 in ; S-A1 & S-A2 ext. board: 52 x 80 x 80 mm / 2.0 x 3.1 x 3.1 in
Weight	S-PRO2: 750 g / 1.65 lbs ; S-A1: 150 g / 0.33 lbs ; S-A2: 200 g / 0.44 lbs

* Total power for all channels driven simultaneously is limited by power supply

** 4 Ohm Bridge Power Mode selected, output voltage 60 V_p / 120 V_{pp} (unloaded) / Bridged 120 V_p / 240 V_{pp} (unloaded)

All specifications are typical values