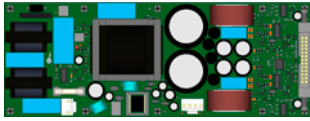
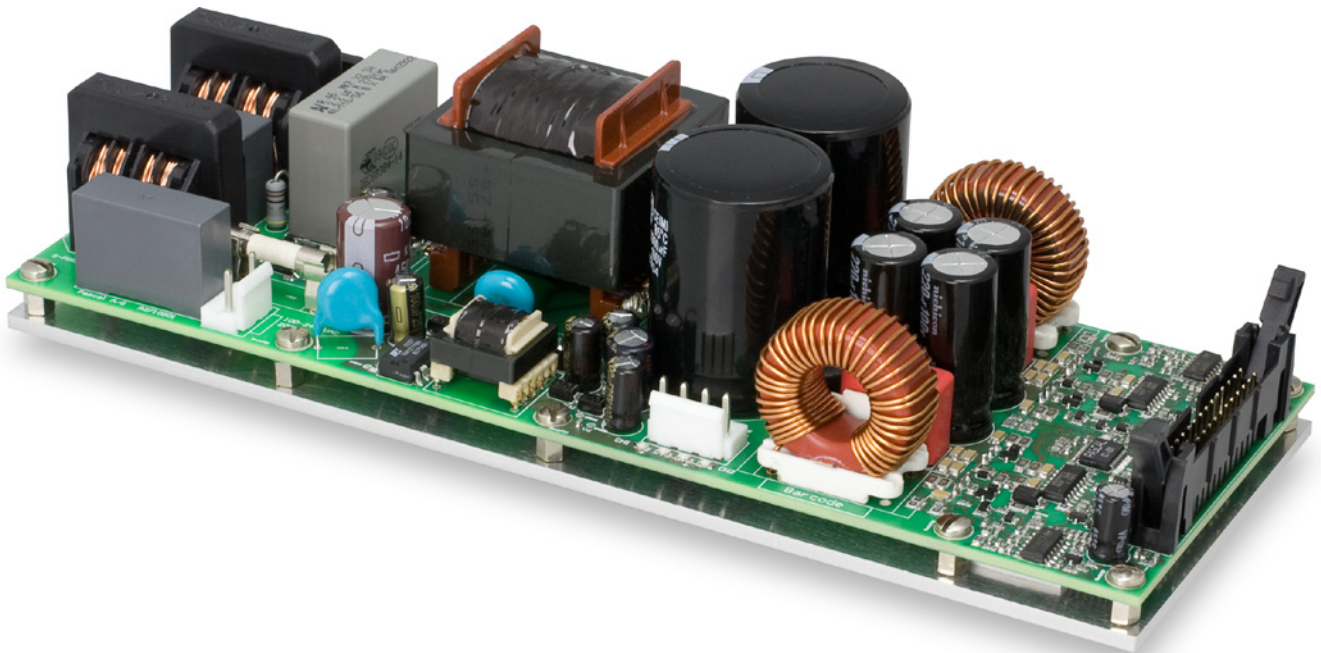


Pascal S-PRO2



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



Pascal S-PRO2 - An ultra compact power platform featuring audiophile sonic performance and integrated power supply with PFC for 1- and 2-way applications.



Optimized Power Configuration

Pascal S-PRO2 amplifier module provides a flexible power configuration of 2 channels each delivering up to 500 Watt RMS. Possible applications are 2-way monitors or small line arrays. The S-PRO2 can be bridged into one powerful channel to power i.e. subwoofers.



Ultra Compact Size

The S-PRO2 amplifier module is the most compact in market in the 1.000 Watt range. A width of only 8 cm / 3.1 inches ensures the module can be integrated into ultra compact chassis or trapziodal loudspeaker cabinets.



Unmatched Sonic Performance

Thanks to Pascal's proprietary UMAC™ Class-D technology, Pascal amplifier modules deliver un-matched 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-PRO2 features ultra low standby power consumption for green energy star compliance.



Universal Mains & PFC

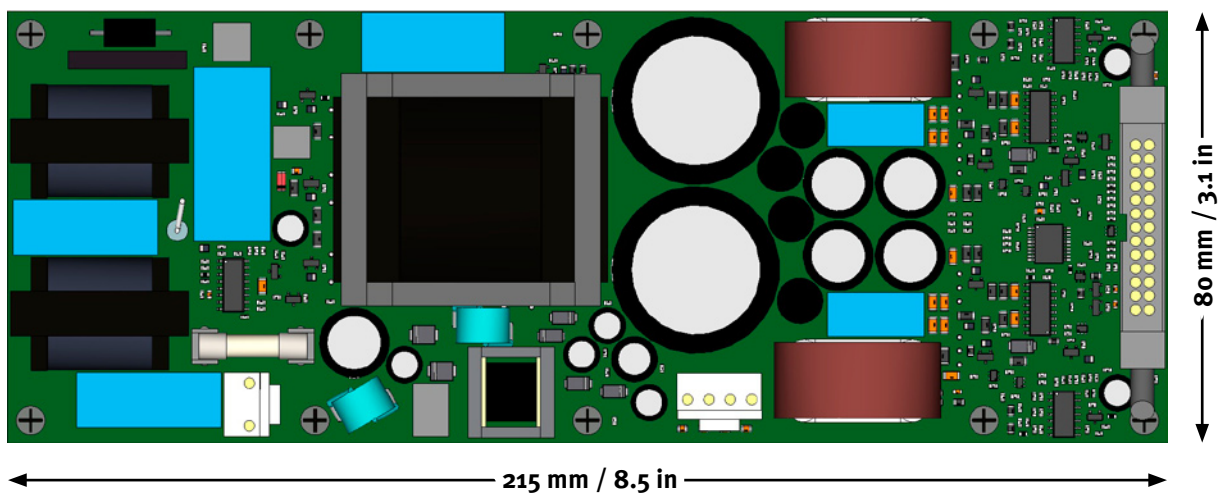
Pascal's UREC™ PFC (Power Factor Correction) power supply technology provides universal mains operation, eliminating the need for market specific products and related reliability issues. The power supply is regulated delivering consistent power world-wide.



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:



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

Load	8 Ω	4 Ω
Output power per channel	2 x 250 W	2 x 500 W
Output power bridge mode	1000 W	-
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	> 119 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 \pm 0.15 dB (8 Ω load, 1 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), Heatsink 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	\pm 15 V (100 mA), +7.5 V (500 mA)	
Standby Consumption	< 1 W (Green Energy Star compliant)	
Dimensions	51 x 80 x 215 mm / 2.0 x 3.1 x 8.5 in	
Weight	750 g / 1.65 lbs	

All specifications are typical values