Pascal U-PRO Series – an ultra-compact power platform, for 1 and 2-way applications, featuring extreme dynamic power ratings and integrated power supply with PFC.

**Extreme Dynamic Power Ratings**
The U-PRO series features unique dynamic power ratings, due to its extremely high voltage rails relative to its RMS power output. Resultantly, with LF channel RMS ratings of 280 W, it can deliver ultra-short bursts of 500 W RMS or 1000 W peak.

**U-PRO2 Dedicated for 2 Way Speakers**
The U-PRO2's asymmetrical power configuration, feature set and form factor uniquely optimize it as a dedicated power solution for self-powered 2-way loudspeakers.

**Audiophile Performance**
Pascal's proprietary UMAC™ Class-D technology delivers unequalled audiophile specifications, including the highest dynamic range and the lowest distortion performance of any comparable pro audio amplifier. This makes the U-PRO series suitable for pro audio applications and for use in high-end Hi-Fi and AV products.

**Universal Mains & PFC**
Pascal's UREC™ PFC (Power Factor Correction) power supply technology enables universal AC mains operation, eliminating the need for local market specific power regulation products and susceptibility to related reliability issues. The power supply delivers consistent, regulated power worldwide.

**Unmatched Efficiency**
Like the S & T-PRO Series, the U-PRO Series boasts the world's best system efficiency, minimizing the requirement for heat sinks and cooling. The cool operation also contributes to the amplifiers' long term reliability.

**Auxiliary Power & Readouts**
Auxiliary power is available for DSP or analog I/O cards. Readouts of protect/mute, temperature and clip signals are accessible for DSP/Network or IO-boards. The U-PRO Series features ultra low standby power consumption for EuP2013 and green energy star compliance, with an Auto Standby/Wake-up feature with selectable time settings.

**Interface compatible with S/T-PRO2**
The U-PRO Series features compatible pin interfacing and identical output voltages to the higher current capable, popular S-PRO and T-PRO modules; thus the front-end electronics of both the S-PRO, T-PRO and U-PRO Series are plug-and-play compatible.

**Safety Approved - EMC Compliant**
Pascal amplifier modules are safety approved and verified for EMC compliance. CB report and UL certificates are available for easy market approval.
Specifications:

**U-PRO2**
2 channels (280 + 100 W)

**U-PRO1**
1 channel (280 W)

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

<table>
<thead>
<tr>
<th>Channel 1</th>
<th>16 Ω</th>
<th>8 Ω</th>
<th>4 Ω</th>
<th>Peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel 1</td>
<td>125 W</td>
<td>245 W</td>
<td>280 W</td>
<td>1000 W @ 4 Ω</td>
</tr>
<tr>
<td>Channel 2 (U-PRO2 only)</td>
<td>125 W</td>
<td>175 W</td>
<td>110 W</td>
<td>300 W @ 8 Ω</td>
</tr>
</tbody>
</table>

- **Output Circuitry**: UMAC™ Class D - full bandwidth PWM modulator with ultra low distortion
- **Output Voltage**: 70 Vp / 140 Vpp (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 (+0/-0.25 dB (8 Ω load, 3 dB below rated power)
- **Damping Factor**: > 350, channel 1 / > 225, channel 2 (8 Ω load, 1 kHz and below)
- **Protection Circuits**: Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection
- **Readouts & Control options**: Protect/Disable (mute), Temperature, Clip, Voltage, Auto Standby/Wake-up (3 timings)
- **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, +7.5 V, maximum total 9 watt available
- **Standby Consumption**: < 0.25 W (Green Energy Star & ErP 1275/2008/EC compliant)
- **Dimensions**: 38 x 70 x 180 mm / 1.5 x 2.5 x 7.0 in
- **Weight**: U-PRO1: 220g / 0.49 lbs - U-PRO2: 229g / 0.50 lbs

All specifications are typical values.