

SYSTEMS AND CONTROL / VOICE ALARM EN 54 / COMPACT

SMART-PA8080

POWER AMPLIFIER 8X 80 W



ESPECIALLY RECOMMENDED IN:



All sectors

DESCRIPTION

The SMART-PA amplifiers are designed for perfect integration into the SMART system solutions and are certified according to the EN 54-16 standard for security installations. SMART-PA is a family of class D power amplifiers isolated by transformer. They allow the use of individual channel power or bridge mode, bridging two channels to achieve double the output power. These amplifiers are powered through a 48 V DC input. This power is



+ Info:
<https://fonestar.com/SMART-PA8080>

supplied and controlled through the SMART-PSM power supply manager, which connects both to power supplies and batteries. This ensures maximum availability and durability in a voice evacuation system.

TECHNICAL CHARACTERISTICS

FEATURES	<p>Class D power amplifier.</p> <p>Isolated output with transformer.</p> <p>The output channels can be used in bridge mode.</p> <p>100 V or 50 V speaker line output.</p> <p>Front panel indicators for Power, Active and Fault.</p> <p>The SMART-PA series is combined with the SMART-PSM48/E Power Manager (charger and back-up power supply).</p>
POWER	<p>8x 80 W</p> <p>Bridge mode: 1x 160 W + 6x 80 W</p> <p>2x 160 W + 4x 80 W</p> <p>3x 160 W + 2x 80 W</p> <p>4x 160 W</p>
RESPONSE	75 Hz – 22 kHz (–6 dB)
INPUTS	8 Audio input controlled by the ABT audio manager. RJ-45 connector.
OUTPUTS	8 x 50/100 V speaker line for connection to the SMART-CU control unit, Euroblock
SIGNAL/NOISE RELATION	> 85 dB (@1 kHz 22 Hz – 22 kHz)
CROSSTALK	< –70 dB (between channels 50 Hz – 20 kHz rated load)
POWER THD	< 10%
POWER SUPPLY	<p>48 V CC provided by SMART-PSM power supply manager, threaded terminals</p> <p>Tension range: 42 – 57 V CC</p> <p>Fuses (internal): 6x 7.5 AF-H</p> <p>Consumption: 0.2 A (standby), 0.7 A (active) and 20 A (maximum rated current)</p> <p>Nominal overall efficiency CC maximum output power at 1 kHz: 80%</p>
DIMENSIONS	482 x 85 x 445 mm depth, 2U 19' rack
WEIGHT	15 kg



+ Info:

<https://fonestar.com/SMART-PA8080>