



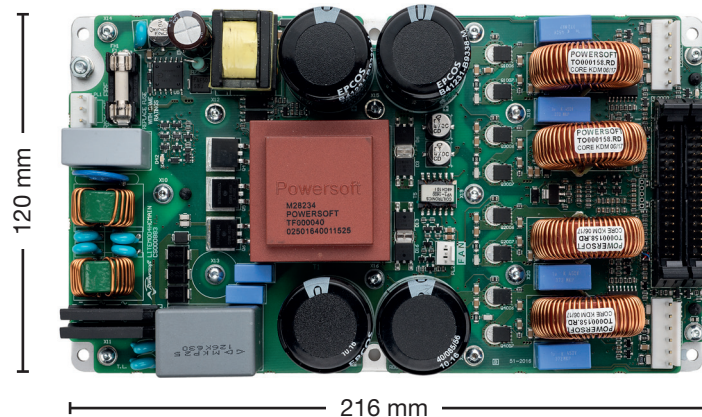
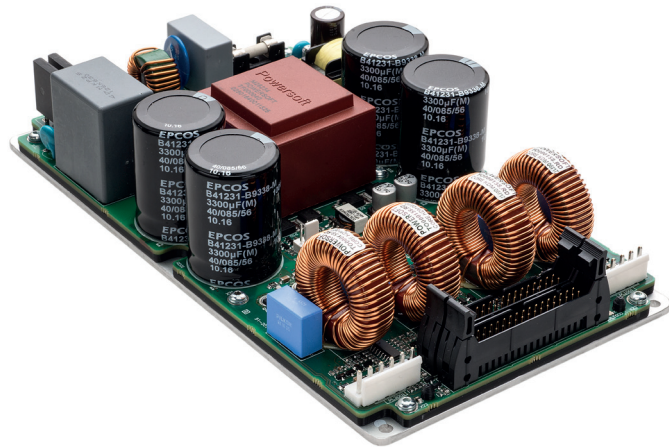
# LiteMod 4HC

Flexible 4-channel 2400W amplifier module

LiteMod 4HC is an extremely versatile amplification platform integrating PFC equipped power supply for universal mains operation and 4 output stages delivering up to 2400W total.

LiteMod 4HC boosts flexibility, being configurable as four, three, two channels, or single high power output channel and supporting 2Ω operation. It can be used in high channel count applications, three way and two way designs, subwoofer + satellite systems.

The pristine sonic performance is obtained in conjunction with the ease of use, in a compact solution.



SRM PFC DSP optional Armonía Pro Audio Suite™

- ▶ world wide operation mains voltage power supply with PFC
- ▶ low standby power consumption
- ▶ smart rails management to optimise consumption and reduce heat
- ▶ auxiliary output voltages
- ▶ Protections
- ▶ output short circuit protection
- ▶ thermal shutdown with monitor output

Output Power, 1% THD	
4 Channel Mode	4 x 750W @ 4Ω
3 Channel Mode	1 x 1500W @ 8Ω BTL + 2 x 750W @ 4Ω
2 Channel Mode	2 x 1500W @ 8Ω BTL or 2 x 1200 W @ 2Ω PTL
1 Channel Mode	1 x 2400W 4Ω PBTL
Max Output Voltage and Current	
Single Ended	78 V <sub>peak</sub> / 30 A <sub>peak</sub>
BTL	156 V <sub>peak</sub> / 30 A <sub>peak</sub>
PBTL	140 V <sub>peak</sub> / 60 A <sub>peak</sub>



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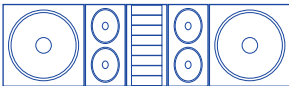
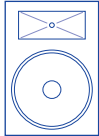
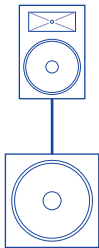
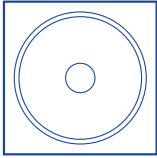
## Specifications

General		AC Mains Power	
Output Power, 1% THD		Power supply	Universal input, regulated Switch Mode with PFC
4 Channel Mode	4 x 750W @ 4Ω	Nominal voltage (±10%)	100-240 V AC @ 50-60Hz
3 Channel Mode	1 x 1500W @ 8Ω BTL + 2 x 750W @ 4Ω	Operating Voltage	85-264 V AC
2 Channel Mode	2 x 1500W @ 8Ω BTL or 2 x 1200W 2Ω PTL	Power Factor	cosφ > 0.9 @ 4 Ω full power
1 Channel Mode	1 x 2400W 4Ω PBTL	<b>Consumption</b>	
Max Output Voltage and Current		Standby	< 1 W
Single Ended	78 V <sub>peak</sub> / 30 A <sub>peak</sub>	Idle	< 14 W
BTL	156 V <sub>peak</sub> / 30 A <sub>peak</sub>	Rated Load (1/4 Max Power)	700 W
PBTL	140 V <sub>peak</sub> / 60 A <sub>peak</sub>	AC Current	Nominal 7 A   Max 25 A
		Inrush Current	TBD
Audio		Aux Supplies	
Gain	26 dB	Max aux supply current draw @ +12 V	1200 mA
Frequency Response (±1 dB, 1 W @ 8 Ω)	10 Hz - 30 kHz	Max aux supply current draw @ -12 V	300 mA
S/N (20 Hz - 20 kHz A-Weighted @ 8 Ω)	> 115 dB	Max aux supply current draw @ +5V	50 mA
Noise Floor	-80 dBV (A)	Fan plug - 12V Fan	200 mA
Crosstalk Separation (1 kHz)	> 80 dB	<b>Thermal &amp; Environment</b>	
Input sensitivity	11 dBu	Operating temperature & Humidity	-20° to 65° C, 0 to 90% Non condensing
Input impedance	4.5 kΩ balanced	Thermal Dissipation	Cooling Plate + Optional Variable Speed Fan
THD+N (from 0.1 W to 1/2 Power)	< 0.08% (typical < 0.05%)		@ 230 V
DIM (from 0.1 W to 1/2 Power)	< 0.2% (typical < 0.05%)	1/4 Max Output Power @ 4Ω	TBD
Damping Factor	> 500 @ 1 kHz		@ 115 V
		1/4 Max Output Power @ 4Ω	TBD
Construction		Vibration	ETSI EN 300 019-2-2
Dimensions	216 x 120 x 55 mm	EMC immunity	EN 55103-2
Weight	1100 g	EMC emissions	EN 55103-1
		Safety standards	IEC 60065

## Application Examples

Please note that the following configuration examples do not cover all possible applications.

Power ratings could vary depending on acoustic design and speaker specifications. Contact Powersoft for support in selecting the ideal solution for your specific needs.

3-way line array	2-way	sub + 2-way sat	sub
			
HF: 350 W @ 8Ω		HF: 350 W @ 8Ω	
MF: 750 W @ 4Ω	MF/HF: 1500 W @ 8Ω BTL	MF: 750 W @ 4Ω	
LF: 2 x 750 W @ 4Ω	LF: 1500 W @ 8Ω BTL	LF: 1500 W @ 8Ω BTL	LF: 2400 W @ 4Ω PBTL