

AMPLIFIER

HP 6001 **6000 W**
MAX POWER

D-CLASS MONO AMPLIFIER WITH CROSSOVER



Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current (power ON/OFF):	5 A / 0.04 mA
Consumption @ 1 Ω, 14.4 VDC (Max Musical Power):	210 A
Remote In:	7 ÷ 15 VDC - 1 mA

Amplifier Stage

Features:	
Distortion - THD (100 Hz @ 4 Ω):	0.1 %
Bandwidth (filter off):	10 ÷ 500 Hz
S/N Ratio (A weighted @ 1 V):	86 dB
Damping factor (100 Hz @ 4 Ω):	500
Pre-In sensitivity:	0.3 ÷ 5 VRMS (15 k Ω)
Load impedance (MIN):	1 Ω
Output Nominal Power (RMS) @ 14.4 VDC, THD 1%:	
1 Ch:	1670 W x 1 (4 Ω)
1 Ch:	2970 W x 1 (2 Ω)
1 Ch:	5000 W x 1 (1 Ω)
Output Power (RMS) @ 14.4 VDC, THD 10%:	
1 Ch:	2150 W x 1 (4 Ω)
1 Ch:	3760 W x 1 (2 Ω)
1 Ch:	6000 W x 1 (1 Ω)
Chain Power (RMS) @ 14.4 VDC:	
2 Amp - Chain mode (1 Ch):	5940 W (4 Ω - THD 1%)
2 Amp - Chain mode (1 Ch):	10000 W (2 Ω - THD 1%)
2 Amp - Chain mode (1 Ch):	7520 W (4 Ω - THD 10%)
2 Amp - Chain mode (1 Ch):	12000 W (2 Ω - THD 10%)

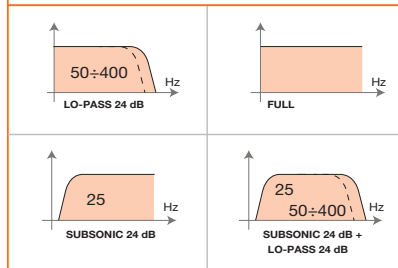
Inputs / Outputs / Filter

INPUTS:	PRE IN
Filters On-Off:	Yes
Lo-Pass:	50 ÷ 400 Hz @ 24 dB/Oct.
SUBSONIC (on/off):	25 Hz @ 24 dB/Oct.
PHASE (adjust):	(0 ÷ 180) deg
Remote Volume Control (adjust):	(-50 ÷ 6) dB
Link Master-Slave:	Yes

1. In order to deliver such extraordinarily high power, the power supply stage features 8 toroidal transformers, 22 - 3300 uF 105° Low ESR primary capacitors for a total of 72600uF, 16 - 130A TO247 Mosfets and 8 - 1500uF secondary capacitors capable of 200V.
2. The D-Class output stage features 12 - 240A/300V impulsive current Mosfets robust power and thermal dissipation without compromise.
3. 4 power supply terminal blocks transfer power between the battery and the amplifier with very low contact resistance.
4. Inputs and outputs to cascade-connect a second amplifier, for high power SPL levels.
5. By-passable Lo-Pass filter, providing full system design flexibility with external processors.
6. Subsonic filter (24 dB - 25 Hz), removes very low subsonic frequencies from music signal to avoid damages to the subwoofer.
7. Continuously adjustable Phase control (0 to 180°); it increases bass alignment of woofer with sub.
8. Included Remote Volume Control (HRC); allows the user to adjust subwoofer level from dashboard.

Configurations

Speaker Output



Size / Weight

Max size (mm / in.):	644 x 280 x 65,5 / 25.35 x 11.02 x 2.55
Weight (kg / lb.):	13,2 / 29.1