

AMPLIFIER

SPL Monster

MP 15K UNLIMITED

15000 W



Power Supply

Power supply voltage	8 ÷ 18 VDC
Idling current	8 A
Idling current when off	3 mA

Amplifier stage

Distortion THD (A weighted, 100 Hz @ 4 Ω)	0.15 %
Bandwidth (-3 dB)	10 ÷ 500 Hz
S/N Ratio (A weighted @ 1 V)	69 dB
Damping factor (100 Hz @ 4 Ω)	> 950
Pre-In sensitivity	0.3 ÷ 7 V
Pre-In impedance	15 kΩ

OUTPUT POWER (RMS) @ 12 VDC, THD 1%

Load Impedance	Stereo	Bridge
4Ω	1000 W x 2	4000 W x 1
2Ω	2000 W x 2	6000 W x 1
1Ω	3000 W x 2	8000 W x 1

OUTPUT POWER (RMS) @ 14,4 VDC, THD 1%

Load Impedance	Stereo	Bridge
4Ω	1500 W x 2	5600 W x 1
2Ω	2800 W x 2	9000 W x 1
1Ω	4500 W x 2	12000 W x 1

OUTPUT POWER (RMS) @ 16 VDC, THD 1%:

Load Impedance	Stereo	Bridge
4Ω	1800 W x 2	6800 W x 1
2Ω	3400 W x 2	11000 W x 1
1Ω	5500 W x 2	15000 W x 1

OUTPUT POWER (RMS) @ 18 VDC, THD 1%

Load Impedance	Stereo	Bridge
4Ω	2300 W x 2	8800 W x 1
2Ω	4400 W x 2	12000 W x 1
1Ω	6100 W x 2	15500 W x 1

1. In order to deliver such extraordinarily high power, the power supply stage features 8 toroidal transformers, 20 - 3300 uF 105° Low ESR primary capacitors for a total of 66000 uF; 32 160 A TO247 Mosfets and 10 - 820 uF secondary capacitors capable of 200 V.
2. The output stage, settable in bridged or stereo mode, features 20 - 190 A / 360 V impulsive current Mosfets: robust power and thermal dissipation without compromise.
3. Direct Current: 4 - 1/0 AWG cables (2 for the positive and 2 for the negative) terminated with ring terminals on the supply side and secured to the amplifier with 4 - 2,5 mm thick copper buss bars connected directly to the printed circuit board, providing the ability to transfer power between battery and amplifier with very low contact resistance.
4. Hertz SPL Stack System stacks multiple amplifiers thanks to the 6 supplied 2 mm robust iron Brackets. The threaded mounting points on the heatsink let your SPL power plant to grow without limits.
5. An input circuit specifically designed for SPL competitions featuring selectable output mode settings that extend the range of the mobile assemblies the Hertz SPL Monster subwoofers offer, letting your system be adaptable to any competition category.

Filters & Controls

Lo-Pass	OFF / Lo-pass: 40 ÷ 150 Hz @ 24 dB/Oct.
Subsonic	OFF / Hi-pass: 10 ÷ 50 Hz @ 24 dB/Oct.
Output Mode	Stereo By-Pass / Bridge / L+R Mix
Chain Mode	Master / Slave

Measure

Max size (mm / in.)	323 x 830 x 68,5 12.8 x 32.7 x 2.8
Weight (kg / lb.)	25,5 / 56.2