

AMPLI SPL Monster FIER

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

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

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

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

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

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

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

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

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

The Hertz MP 15K UNLIMITED, with its **15.000 W** of destructive power, the enormity of this project is intimidating to your eyes and for the sheer energy it generates!

- In order to deliver such extraordinarily high power, the power supply stage features 8 toroidal transformers, 20 - 3300uF 105°Low ESR primary capacitors for a total of 66 000uF; 32 160A TO247 Mosfets and 10 - 820uF secondary capacitors capable of 200 V.
- The output stage, settable in bridged or stereo mode, features 20 -190A/360V impulsive current Mosfets: robust power and thermal dissipation without compromise.
- 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.
- 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 grow without limits.
- An input circuit specifically designed for SPL competitions featuring selectable output mode settings that extend the range of the mobile assemblies the Hertz M 12 UNLIMITED and M 15 UNLIMITED 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/inches):	323 x 830 x 68,5 / 12" 3/4 x 32" 11/16 x 2" 3/4
Weight (kg/lb):	25.5 / 56.2

SPL Monster

SPL Monster, pressure and supernatural power

The Elettromedia R&D experience, combined with the use of the most advanced technologies, enabled the Hertz team to build subwoofers and amplifiers with explosive SPL performance. With its three products, the SPL Monster line creates impressive sound pressure and power. Our promise is your reality! The SPL Monster products were designed according to the specific needs of those teams who take part in SPL competitions. For this reason the product will undergo continued modifications and upgrades, according to the valuable feedback of our customers.

MP 15K UNLIMITED



Direct Current® - The **MP 15K UNLIMITED** amplifier features an innovative supply connection system resulting in absolute performance, conquering the competition! **Direct Current®** transfers power between the battery and amplifier with very low contact resistance found in the terminal blocks of traditional designs. 4 x 1/0 AWG cables are terminated with ring terminals on the supply side and secured to the amplifier with 4 x 2,5 mm thick copper buss bars connected directly to the printed circuit board. **Direct Current®** is fundamental to achieve the current transfer required for high SPL systems.



Hertz SPL Stack System® simplifies the stacking of multiple **MP 15K UNLIMITED** amps, achieving an SPL system capable of over 30.000 W, beyond your imagination!

Thanks to threaded mounting points on the heatsink of the amplifier, and the 6 supplied 2 mm thick iron **Bracket**, two **MP 15K UNLIMITED** amplifiers can be stacked, then two more, then two more... or as many as your vehicle and speakers can handle!

M 12 UNLIMITED Mobile Group

		Cone	DSS	Nominal Impedance Ω	X-mech mm	D mm	Xmax mm	Re Ω	Fs Hz	Le mH@1kHz	Le mH@10kHz	Vas l	Mms g	Cms mm/N	BL T-m	Qts	Qes	Qms	Spl dB
MG 12 2x1.2s2	NPP* Mob. Group	Paper Cone	2 spiders	1.2 + 1.2	28	245	10	2,1	39	1,16	0,38	21,70	236,7	0,07	21,58	0,25	0,26	5,08	95
MG 12 2x1.0s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.0 + 1.0	25,5	245	7,5	1,9	44	1,00	0,33	16,90	246,2	0,05	19,71	0,30	0,32	5,16	95
MG 12 2x1.0s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.0 + 1.0	25,5	245	7,5	1,9	62	1,00	0,33	8,30	261,6	0,03	20,39	0,44	0,48	6,80	94,5
MG 12 2x1.5s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.5 + 1.5	26,5	245	8,5	2,8	43	1,30	0,42	19,40	237,8	0,06	23,38	0,30	0,32	5,00	93,5
MG 12 2x1.5s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.5 + 1.5	26,5	245	8,5	2,8	63	1,30	0,42	7,90	262,0	0,02	23,81	0,49	0,52	6,75	92,5

*Gruppo mobile montato di serie
Factory mobile group

*Bobine in serie
Coils in series

M 15 UNLIMITED Mobile Group

		Cone	DSS	Nominal Impedance Ω	X-mech mm	D mm	Xmax mm	Re Ω	Fs Hz	Le mH@1kHz	Le mH@10kHz	Vas l	Mms g	Cms mm/N	BL T-m	Qts	Qes	Qms	Spl dB
MG 15 2x1.2s2	NPP* Mob. Group	Paper Cone	2 spiders	1.2 + 1.2	28	320	10	2,1	36	1,14	0,38	61,00	295,3	0,07	21,87	0,28	0,29	5,38	98
MG 15 2x1.0s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.0 + 1.0	25,5	320	7,5	1,9	42	1,00	0,33	48,10	268,8	0,05	19,95	0,32	0,35	5,61	98,5
MG 15 2x1.0s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.0 + 1.0	25,5	320	7,5	1,9	61	1,00	0,33	20,00	309,7	0,02	20,68	0,49	0,53	6,85	97,5
MG 15 2x1.5s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.5 + 1.5	26,5	320	8,5	2,8	43	1,30	0,42	47,10	265,7	0,05	23,36	0,34	0,36	5,23	97
MG 15 2x1.5s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.5 + 1.5	26,5	320	8,5	2,8	60	1,30	0,42	21,20	304,7	0,02	24,37	0,49	0,54	6,50	96

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RMA - Removable Moving Assembly

The innovative **RMA (Removable Moving Assembly)** provides the ability to replace the entire mobile assembly in few seconds, without removing the speaker from its mounting position, choosing the one configuration appropriate to your needs. The available mobile assemblies differ in the typology of the spiders, cone material and voice coil impedance: letting you choose the one which is most effective for your system design, and ultimately the highest SPL scores!

