

# PSW-2 *Self Powered Reinforcement Subwoofer*

## FEATURES



Arrayable and flyable subwoofer



Arrayable with MSL-4 (identical cabinet dimensions)



Compact for efficient truck packing



No amp racks



Integrated control electronics, and amplifiers



TruPower™ Limiting



Intelligent AC™



Compatible with the Remote Monitoring System™ (RMS)

*Superior  
engineering  
for the art  
and science  
of sound.*



The PSW-2 from Meyer Sound is a self powered, dual-amplified, 4th order, bass-reflex subwoofer which is arrayable and flyable (with optional rigging). The dimensions of its trapezoidal cabinet are identical to those of the MSL-4. The unit incorporates twin 15" drivers, has a frequency response of 35 Hz to 120 Hz, and is phase-corrected.

The amplifier, controller, power supply, and cooling subsystems are integrated into a lightweight module, service accessible at the back of the enclosure. Self-contained electronics eliminate the need

for equipment racks. The PSW-2 is compact for efficient transport and setup.

The PSW-2 power supply incorporates the Intelligent AC™ system, which performs automatic voltage selection, EMI filtering, soft current turn-on, and surge suppression. Simply connect a signal source and plug into power anywhere worldwide, and the unit is fully operational. The amplifier unit is equipped with TruPower™ Limiter technology, which maximizes speaker protection reliability and component life. This breakthrough in speaker control also results in higher

SPL at all frequencies, and increased available headroom. Long term power compression, typically 3-6 dB in conventional systems, is less than 1 dB. Maximum SPL capability remains constant even during operation at high levels for extended periods.

PSW-2 performance can be supervised using the Remote Monitoring System™ (RMS). This enables users at a computer terminal to monitor such parameters as limiting activity, power output, voltage, temperature, fan speed, and driver status.

# PSW-2 SPECIFICATIONS

## ACOUSTICAL (EACH LOUDSPEAKER)

Frequency Response <sup>1</sup>	±4 dB from 35 Hz to 120 Hz
Phase Response <sup>1</sup>	±30° from 50 Hz to 145 Hz
Maximum SPL <sup>1</sup>	136 dB peak@1 meter
Dynamic Range	>110 dB

## COVERAGE

(- 6db points) 360° H; 180° V

## TRANSDUCERS

Sub Frequency two 15" diameter MS-15 cones

## AUDIO INPUT

Type	10kΩ impedance, electronically balanced
Connector	XLR (A-3) male and female
Nominal Input Level	+4 dBu (1.23 Vrms)

## AMPLIFIERS

Type	Complementary power MOSFET output stages (audio class AB/H)
Burst capability <sup>2</sup>	1240 watts (620 watts/channel)
THD, IM, TIM	< .02 %

## AC POWER

Connector	250V NEMA L6-20 (twistlock) inlet or IEC 309 male inlet <sup>3</sup>
Automatic voltage selection	95-125 VAC and 208-235 VAC; 50/60 Hz <sup>4</sup>
Operational Voltage range	Turn on: 85 VAC; Turn off: 134 VAC; 50/60 Hz Turn on: 165 VAC; Turn off: 264 VAC; 50/60 Hz
Max Continuous RMS Current (>10 sec)	@115V: 8A @230V: 4A @100V: 10A
Burst RMS Current (<1 sec)	@115V: 15A @230V: 8A @100V: 18A
Max Peak Current During Burst	@115V: 22Apk @230V: 11Apk @100V: 25Apk
Soft Current Turn-on	Inrush current <12A @ 115V

## PHYSICAL

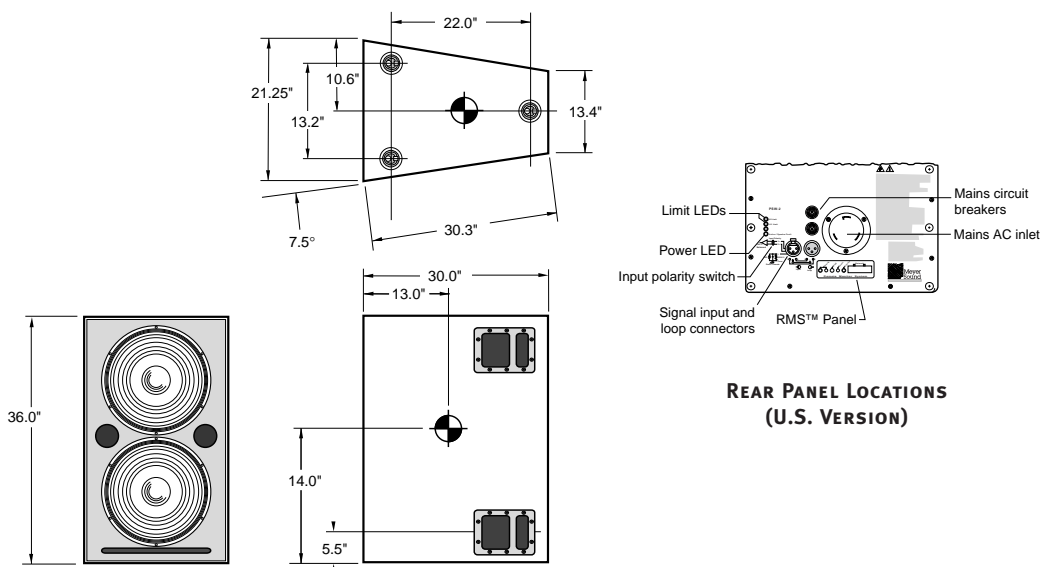
Dimensions	21 1/4" W x 36" H x 30" D (identical to MSL-4)
Weight	162 lbs (73.5 kg) / shipping: 190 lbs (86.2 kg)
Enclosure	All birch plywood
Finish	Black Textured
Protective Grill	Perforated steel grill, charcoal-grey foam
Rigging	Aircraft pan fittings (3 on both top and bottom). Working load for each fitting is 600 lbs, which is 1/5 the cabinet breaking strength (with straight tensile pull)

## NOTES

1. Subject to half space loading, measured with one-third octave frequency resolution in fixed ISO bands.
2. Nominal 8Ω resistive load, pink noise, 100V peak.
3. Other connectors available.
4. The unit is rated at 95-125 VAC and 208-235 VAC, 50/60 Hz, to satisfy EC standards for -10% to 6% AC line voltage

## PHYSICAL DIMENSIONS

ALL UNITS IN INCHES



Meyer Sound Laboratories has devoted itself to designing, manufacturing, and refining components that deliver superb sonic reproduction. Every part of every component is designed and built to exacting specifications and undergoes rigorous, comprehensive testing in the laboratories.

Research remains an integral, driving force behind all production. Meyer strives for sound quality that is predictable and neutral over an extended lifetime and across an extended range.



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