

MOS-FET POWER AMPLIFIERS - TECHNICAL SPECIFICATIONS

PARAMETER	V150-L	V200	V500	V800	M900	PARAMETER	V150-L	V200	V500	V800	M900
Power Output at Clipping	105 watts RMS into 8 ohms at 1 kHz 150 watts RMS into 4 ohms	65 watts RMS into 8 ohms both channels driven at 1 kHz. 100 watts RMS into 4 ohms, both channels driven.	250 watts RMS into 4 ohms, 1 kHz, both channels driven. 150 watts RMS into 8 ohms.	400 watts RMS into 4 ohms, 1 kHz, both channels driven 260 watts RMS into 8 ohms.	400 watts RMS into 4 ohms 1 kHz, both channels driven. 260 watts RMS into 8 ohms 520 watts RMS into 2.5 ohms.	Slew Rate	45V/ μ S	45V/ μ S	45V/ μ S	45V/ μ S	45V/ μ S
Balanced Line Output	100 watts RMS at 1 kHz into 100 ohms at less than 0.1% THD. (100 volt line output) transformer coupled.	N/A	60 volt balanced line (bridged mono)	80 volt balanced line (bridged mono)	80 volt balanced line (bridged mono)	Channel Separation	Greater than 70 dB at 1 kHz.				
Rated Power Output per Channel	100 watts RMS into 8 ohms with less than 0.03% THD over a bandwidth of 40 Hz to 20 kHz. 100 watts RMS into 8 ohms at 1 kHz at less than 0.02% THD.	60 watts RMS into 8 ohms at <0.03% THD over a bandwidth of 20 Hz to 20 kHz 60 watts RMS into 8 ohms at 1 kHz at <0.02% THD both channels driven.	150 watts RMS into 8 ohms at <0.03% THD over a bandwidth of 20 Hz to 20 kHz, 245 watts RMS into 4 ohms at 1 kHz at <0.02% THD both channels driven.	250 watts RMS into 8 ohms at <0.03% THD over a bandwidth of 20 Hz to 20 kHz, 390 watts RMS into 4 ohms 1 kHz at <0.02% THD, both channels driven.	250 watts RMS into 8 ohms at <0.03% THD 20 Hz to 20 kHz both channels driven. 390 watts RMS into 4 ohms at 1 kHz at <0.02% THD both channels driven.	Power Requirements	110/120/220/240V 50/60 Hz. Rear panel mounted voltage selector.	110/120/220/240V AC 50/60 Hz. Rear panel mounted voltage selector.	110/120/220/240V AC 50/60 Hz. Rear panel mounted voltage selector.	110/120/220/240V AC 50/60 Hz. Rear panel mounted voltage selector.	110/120/220/240V AC 50/60 Hz. Rear panel mounted voltage selector.
Frequency Response	100V-line output -3dB 30 Hz to 10 kHz 4-16 ohms output +0, -1.0dB 30 Hz to 50kHz	+0, -1.0 dB 10 Hz to 50 kHz	+0, -1.0 dB 10 Hz to 50kHz	+0, -1.0 dB 10 Hz to 50 kHz	+0, -1.0 dB 10 Hz to 50 kHz	Input Connectors	1 x 1/4" 3-pole jack and 1 XLR 3-31 female socket per channel.				1 off XLR 3-31 per channel
Total Harmonic Distortion	Less than 0.02% at 100 watts 8 ohms, 1 kHz. Less than 0.03% at 100 watts 8 ohms 40 Hz to 20 kHz.	Less than 0.02% at 60 watts into 8 ohms, 1 kHz. Less than 0.03% at 60 watts 8 ohms 20 Hz to 20 kHz.	Less than 0.02% at 245 watts into 8 ohms, 1 kHz. Less than 0.03% at 150 watts 8 ohms 20 Hz to 20 kHz.	Less than 0.02% at 390 watts into 8 ohms, 1 kHz. Less than 0.03% at 250 watts 8 ohms 20 Hz to 20 kHz.	Less than 0.02% at 390 watts into 8 ohms, 1 kHz. Less than 0.03% at 250 watts 8 ohms 20 Hz to 20 kHz.	Output Connectors	One male XLR 3-32 and one pair binding posts per output.	One male XLR 3-32 and one pair binding posts per channel.	Two male XLR 3-32 and one pair binding posts per channel.	800 watts RMS into 8 ohms at less than 0.03% THD at 1 kHz. Internal switch for bridged operation.	800 watts RMS into 8 ohms at less than 0.03% THD at 1 kHz. Internal switch for bridged operation.
Intermodulation Distortion	Less than 0.03% using frequencies of 50 Hz and 7 kHz in 4 : 1 ratio at 100 watts into 8 ohms.	Less than 0.03% using frequencies of 50 Hz and 7 kHz in 4 : 1 ratio at 60 watts per channel into 8 ohms.	Less than 0.03% using frequencies of 50 Hz and 7 kHz in 4 : 1 ratio at 245 watts per channel into 4 ohms.	Less than 0.03% using frequencies of 50 Hz and 7 kHz in 4 : 1 ratio at 400 watts per channel into 4 ohms.	Less than 0.03% using frequencies of 50 Hz and 7 kHz in 4 : 1 ratio at 400 watts per channel into 4 ohms.	Bridged Mono Output	N/A	200 watts RMS into 8 ohms at less than 0.02% THD at 1 kHz. Internal switch for bridged operation. Input 1 operative.	500 watts RMS into 8 ohms at less than 0.03% THD at 1 kHz. Internal switch for bridged operation. Input 1 operative.	800 watts RMS into 8 ohms at less than 0.03% THD at 1 kHz. Internal switch for bridged operation. Input 1 operative.	800 watts RMS into 8 ohms at less than 0.02% THD at 1 kHz.
Input Sensitivity	0.775V for full output into 4 ohms attenuator set maximum.					Indicators	One 'Peak' LED illuminates 1 dB before amplifier clip point. 'Thermal' shutdown indicator.	One 'Peak' indicating LED per channel. 'Peak' LED's illuminate 1dB before clip point. 'Thermal' shutdown indicator. Red 'bridged' LED indicates bridged mono operation.	LED output display, calibrated CLIP, 0, -3, -6, -9, -12, -15, -21, -27, -33 dB. 'Thermal' shutdown indicator.	One 'Peak' indicating LED per channel. 'Peak' LED's illuminate 1dB before clip point. 'Thermal' shutdown indicator. Red LED 'bridged' indicator.	One 'Peak' indicating LED per channel. 'Peak' LED's illuminate 1dB before clip point. 'Thermal' shutdown indicator. Red LED 'bridged' indicator.
Input Impedance	15k ohms minimum, unbalanced, optional 600 ohms or 10k matching transformers.					Protection	Short circuit, open circuit and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 2A A/S secondary fuses 6.3A (2 off).	Short circuit, open circuit and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 3.15A A/S secondary fuses 6.3A (2 off).	Short circuit, open circuit and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 6.3A A/S.	Short circuit, open circuit and mismatch proof. Thermal guard protects in case of inadequate ventilation. Mains fuse 10A A/S.	Short circuit, open circuit and mismatch proof.
Damping Factor (8 ohms)	Greater than 300 at 100 Hz.					Load Protection	N/A	N/A	Protection relay energised by presence of a DC fault condition at the amplifier output.		
Hum and Noise	Greater than 100 dB down ref full output, 20 Hz to 20 kHz.					Dimensions (W x H x D)	483x89x384mm	483x89x384mm	483x178x384mm	483x178x384mm	483x178x300mm
Rise Time	3 μ S or less (10%-90%) of 1V, 1kHz.					Weight	10.5kg	10.5kg	19.5kg	21.5kg	21.9kg
						Cooling	Convection	Convection	Thermostatically controlled, quiet running fan.		



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