

Technical Specifications

Energy 2: [Power Specifications | Electrical Specifications | General Specifications]
Energy 3: [Power Specifications | Electrical Specifications | General Specifications]

ENERGY 2

POWER SPECIFICATIONS

IHF dynamic power	2 ohms	900 W
	4 ohms	1000 W
Tone burst 10% / 20 ms	8 ohms	700 W
Max THD 0.1%	4 ohms bridged	1800 W
Both channels driven.	8 ohms bridged	2000 W
	16 ohms bridged	1400 W
FTC output power	2 ohms	750 W
	4 ohms	850 W
20Hz-20kHz	8 ohms	550 W
Max THD 0.1%	4 ohms bridged	1500 W
Both channels driven.	8 ohms bridged	1600 W
	16 ohms bridged	1000 W
EIA output power	2 ohms	650 W (750 W single channel)
	4 ohms	800 W (900 W single channel)
1kHz	8 ohms	500 W (600 W single channel)
Max THD 1%	4 ohms bridged	1300 W
Both channels driven.	8 ohms bridged	1600 W
	16 ohms bridged	1000 W

ELECTRICAL SPECIFICATIONS

Inputs	Sensitivity	0 dB (0.775 V) o +6.5 dB (1.65 V)
	impedance	30 kohms (balanced) - 15 kohms (unbalanced)
Frequency response		20÷20000 Hz (-0.5dB)
Phase response		±10° @ 20 Hz / ±20° @ 20 kHz
Voltage gain		38 db (±0.5) or 32 dB (±0.5)
Slew rate		>=23 V/μs
Damping factor		> 400:1 (@ 1 kHz / 8 ohms)
Cmrr		>=90 dB (@ 1 kHz)
Crosstalk		>=90 dB (@ 1 kHz)
Hum & noise		>=100 dB
Total harmonic distortion	(THD+N)	<= 0.020% @1 kHz / <= 0.030% 20÷20000 Hz
Inter-modulation distortion	(IMD)	<= 0.020% (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)

GENERAL SPECIFICATIONS

Protections	Power supply Amplifier Speakers	Power transformer thermal protection Heat sink thermal protection Short circuit protection Power transistor SOA processor Delayed turn-on Sensor for current on outputs ANTI-CLIPPING
Controls	Front panel Back panel	ON/OFF switch Signal level control for each channel STEREO/BRIDGE/PARALLEL selector Input sensitivity selector Minimum impedance selector Earth lift
Indicators		STEREO/BRIDGE/PARALLEL: 3 yellow LEDs SIGNAL/CLIP: 1 green/red LED for each channel PROTECT: 1 red LED for each channel
Connectors	Input Output Sequence link	1 XLR-F + 1 JACK in parallel for each channel 1 SPEAKON 4-way for each channel 2 binding-post for each channel 2 DIN 5-way for SEND & RECEIVE
Power supply		See label on the apparatus
Dimensions	(LxHxD)	483x88x507 mm - 2 rack units
Weight		23 kg / 50.6 lbs.

ENERGY 3**POWER SPECIFICATIONS**

IHF dynamic power	2 ohms	1500 W
	4 ohms	1500 W
Tone burst 10% / 20 ms	8 ohms	900 W
Max THD 0.1%	4 ohms bridged	3000 W
Both channels driven.	8 ohms bridged	3000 W
	16 ohms bridged	1750 W
FTC output power	2 ohms	1100 W
	4 ohms	1200 W
20Hz-20kHz	8 ohms	750 W
Max THD 0.1%	4 ohms bridged	2200 W
Both channels driven.	8 ohms bridged	2500 W
	16 ohms bridged	1500 W
EIA output power	2 ohms	1100 W (1200 W single channel)
	4 ohms	1250 W (1400 W single channel)
1kHz	8 ohms	750 W (900 W single channel)
Max THD 1%	4 ohms bridged	2200 W
Both channels driven.	8 ohms bridged	2500 W
	16 ohms bridged	1500 W

ELECTRICAL SPECIFICATIONS

Inputs	Sensitivity impedance	0 dB (0.775 V) or +8 dB (1.95 V) 30 kohms (balanced) - 15 kohms (unbalanced)
Frequency response		20÷20000 Hz (-0.5dB)

Phase response		$\pm 15^\circ$ @ 20 Hz / $\pm 25^\circ$ @ 20 kHz
Voltage gain		39 db (± 0.5) or 32 db (± 0.5)
Slew rate		≥ 27 V/ μ s
Damping factor		> 600:1 (@ 1 kHz / 8 ohms)
Cmrr		≥ 90 dB (@ 1 kHz)
Crosstalk		≥ 100 dB (@ 1 kHz)
Hum & noise		≥ 100 dB
Total harmonic distortion	(THD+N)	$\leq 0.020\%$ @1 kHz / $\leq 0.030\%$ 20÷20000 Hz
Inter-modulation distortion	(IMD)	$\leq 0.020\%$ (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)

GENERAL SPECIFICATIONS

Protections	Power supply Amplifier Speakers	Power transformer thermal protection Heat sink thermal protection Short circuit protection Power transistor SOA processor Delayed turn-on Sensor for current on outputs ANTI-CLIPPING
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Indicators		STEREO/BRIDGE/PARALLEL: 3 yellow LEDs SIGNAL/CLIP: 1 green/red LED for each channel PROTECT: 1 red LED for each channel
Connectors	Input Output Sequence link	1 XLR-F + 1 JACK in parallel for each channel 1 SPEAKON 4-way for each channel 1 SPEAKON 4-way for BRIDGE output 2 binding-post for each channel 2 DIN 5-way for SEND & RECEIVE
Power supply		See label on the apparatus
Dimensions	(LxHxD)	483x132.5x507 mm - 3 rack units
Weight		34.5 kg / 76 lbs.

Generalmusic reserves the right to change specifications without notice.