

IPX Series

MULTI-CHANNEL POWER AMPLIFIERS





IPX Series

THE PINNACLE OF AMPLIFIER ENGINEERING

IPX series multi-channel power amplifiers mark the new, unprecedented standard for sound system amplification in mid to large-sized permanent installations. Our new high-performance amplifiers offer seemingly unlimited power and pristine audio quality. IPX series multi-channel power amplifiers are featuring OMNEO IP networking architecture and groundbreaking audio performance. They embody several proprietary amplifier technologies developed by Dynacord engineering, one of the most experienced R&D teams in the audio industry.

IPX series can cover a wide range of demanding fixed installation venues, from concert halls, art centres, theatres, and houses of worship to distributed sound systems in stadiums and entertainment centres. The new Eco Rail technology developed by Dynacord helps to reduce overall power consumption up to 50%, both protecting the environment and significantly lowering the total cost of ownership, while maintaining highquality audio and operational safety at all times. As installers increasingly utilize existing networks in building infrastructure, relying on IP technology often results in faster system integrations and lower implementation costs - including reduced cabling - for substantial cost savings. The integrated OMNEO interface with a primary and secondary port allows the flawless use of 8 channels from a Dante audio network, while remote and supervision parameters run on OCA protocol (AES70), open for thirdparty integration. Redundancy options include glitch-free and RSTP to suit individual requirements and existing infrastructure.







models

HIGH POWER DENSITY

IPX series amplifiers represent the perfect mix of seemingly unlimited power with cutting edge intelligent FIR-drive DSP to give you the power and the ultimate performance for any demanding sound system requirements in permanent installations. Engineered and made in Germany, the IPX series power amplifiers comprise three 4-channel models and one 8-channel model, offering a power density of 5 kW, 10 kW and even 20 kW from a single amplifier with all channels driven.

MOST SOPHISTICATED DIGITAL SIGNAL PROCESSING AVAILABLE

The IPX series offers advanced 96 kHz high-resolution digital signal processing for the highest performance, internal analog-to-digital conversion with ultra-low latency, and a superior signal-to-noise ratio. The three DSP blocks are split into user-, array- and speaker processing controls, each featuring a wide range of EQ-, delay and level options to match a wide range of applications. Complete remote control and supervision is available via the powerful IRIS-Net software and allows the IPX series to be seamlessly integrated into both existing and new installations

ADVANCED POWER MANAGEMENT FOR REDUCED COSTS AND FLAWLESS PERFORMANCE - EVEN UNDER CHALLENGING CONDITIONS

The new Eco Rail technology developed by Dynacord helps to reduce overall power consumption up to 50%, both protecting the environment and significantly lowering the total cost of ownership, while maintaining high-quality audio and operational safety at all times. The fully DSP-controlled amplifier and power supply constantly monitors up to 280 parameters simultaneously to assure that even under challenging operating conditions such as mains power fluctuations, the IPX series continues to perform at highest possible level, rather than switching into a protect mode and stop operation.

HIGH INSTALLATION FLEXIBILITY

IPX series offers high flexibility for a variety of installation scenarios. This is ensured by several power drive options utilizing Dynacord's patented VLD technology as well as the newly developed parallel and parallel-bridged operation modes. VLD technology allows the available output power of e.g. 1,250 watts per channel to be used at either 4 or 8 Ohms, or via 70 V or 100 V lines in direct drive mode.



IPX5:4

4 x 1.250 W @ 4 Ω

(maximum output power per channel*)



IPX 10:4

4 x 2,500 W @ 4 Ω

(maximum output power per channel*)



IPX 10:8

8 x 1,250 W @ 4 Ω

(maximum output power per channel*)



IPX20:4

4 x 5,000 W @ 4 Ω

(maximum output power per channel*)

* Measured with all channels driven

technology

For over 70 years, Dynacord has designed and engineered professional audio systems – products that offer unparalleled performance and premium quality, the perfect balance of power and precision. Our industrial design combines finely tuned form with feature-rich functionality across every detail – clean lines and clean sound – and our dedication to durability is demonstrated in the industry's most rigorous product testing programs.

Our amplifier expertise and applied technologies will give our IPX series amplifiers ultimate protection from damage and ensure flawless operation - even under the most challenging conditions. In addition, our engineering technology also contributes to significantly reduce operation costs while maintaining the best audio quality. This is ensured and backed up by a series of new, sophisticated Dynacord technologies.

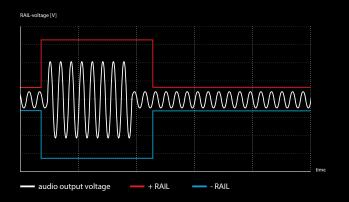


technology

ABOUT OMNEO

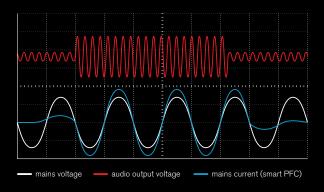
OMNEO is an architectural approach to connecting devices that need to exchange information such as audio content or device control. Built upon multiple technologies, including IP and open public standards, OMNEO supports the technologies of today – such as Audinate's Dante – while adopting the standards of tomorrow. OMNEO offers a professional-grade media networking solution that provides interoperability, unique features for easier installation, better performance, and greater scalability than any other IP offering on the market.

OMNEO



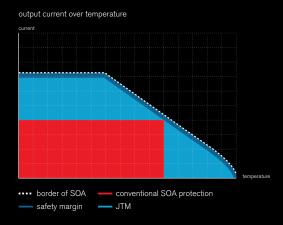
ECO RAIL TECHNOLOGY

- Reduces standby losses to a minimum
- All monitoring functions are maintained
- No transient currents or distortions during switching
- Fully automatized no user interaction needed



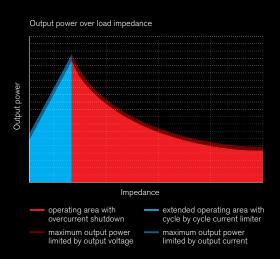
SMART PFC - POWER FACTOR CORRECTION

- Maximizes output power and reduces idle power
- Complete digital monitoring and control
- Wide range input for maximum flexibility
- Highest reliability thanks to Dynacord's Protection Package



JTM - JUNCTION TEMPERATURE MODELLING

- Overheat component protection by constant temperature modelling
- Ensures maximum output power
- Provides highest operational reliability

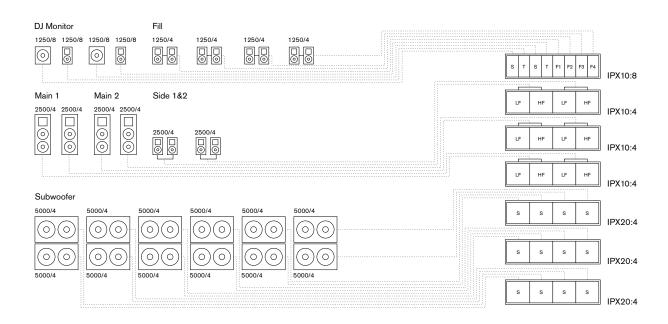


CYCLE BY CYCLE CURRENT LIMITER

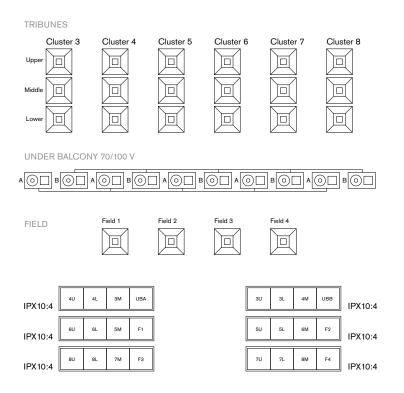
- Continue to make sound
- Maximizes reliability under all load conditions
- Able to drive low impedance

application

CLUB



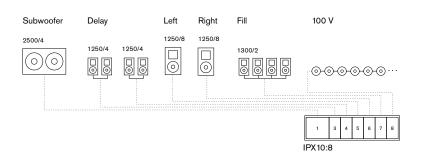
STADIUM



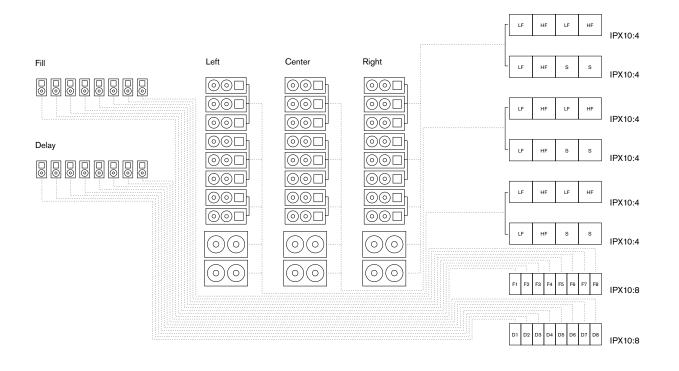




CITY HALL



PERFORMING ARTS CENTER





TECHNICAL SPECIFICATIONS

Amplifier model		ID	(5:4			IPX	10:4			IPX	10:8			IPX20:4		
OUTPUT POWER		IIPZ	.J.4			IFA	10.4			IFA	10.0			IFA20.4		
Low-Z mode: Load Impedance	2 0	2.7 Ω	40	8 0	20	2.7 Ω	4Ω	8 0	20	2.7 Ω	4Ω	8.0	2 0	2.7 Ω	4Ω	8 0
Maximum Output Power 1	2 11	2.1 11	411	0 11	2 11	2.1 11	411	0 11	211	2.1 11	411	0 11	211	2.1 11	4 11	0 11
•	1300 W	1500 W	1250 W	1250 W	2600 W	3000 W	2500 W	1250 W	1300 W	1500 W	1250 W	1250 W	5200 W	6000 W	5000 W	2500W
Normal Mode, all channels driven	1900 W	1000 W		_	2000 W	2000 W			1000 W	1000 W			0200 W			2000W
Bridged			2600 W	2500 W			5200 W	5000 W			2600 W	2500 W	10000 W		.a.	I
Parallel	2500 W	3000 W	2500 W	1250 W	5000 W	4000 W	2500 W	1250 W	2500 W	3000 W	2500 W	1250 W	10000 W	8000 W	5000 W	-
Parallel-Bridged	2500 W	6000 W	5000 W	5000 W	10400 W	12000 W	10000 W	5000 W	5200 W	6000 W	5000 W	5000 W		n.	.a.	
Direct Drive mode: Nominal Voltage	70 V	100 V	140 V ²	200 V ²	70 V	100 V	140 V ²	200 V ²	70 V	100 V	140 V ²	200 V ²	70 V	100 V	140 V	
Maximum Output Power 1	1250 W	1250 W	2500 W	2500 W	2500 W	2500 W	5000 W	5000 W	1250 W	1250 W	2500 W	2500 W	3550 W	5000 W	5000 W	
Number of amplifier channels			4				4				8				4	
Maximum Output Voltage normal mode, per channel						150 \	/ peak							210 V	/ peak	
Maximum Output Current normal mode, per channel		41 A	peak			53 A	peak			41 A	peak			84 A	peak	
AMPLIFIER					1				1							
Voltage Gain																
Low-Z mode, ref. 1 kHz							32.0 dB. a	djustable 20.0) - 44.0 dB							
Direct Drive mode						33.2 /	36.2 / 39.2 /	-		/ 200 V						
Input Sensitivity						00127	00127 00127	TELE GO TOT TO	,, 100,, 110	7 200 7						
Low-Z mode, ref. to Max. Output Voltage					10.7 dBı	ı (2.66 V), adj	ustable -1.3 -	22.7 dBu					13.7 dB	u (3.73 V), adj	ustable 1.7 - 2	25.7 dBu
Direct Drive mode							6.4	Bu (1.55 V), f	ivad							
THD							0.0	DU (1.JJ V), I	IXEU							
3dB below max., AES17, 1kHz								< 0.	05 %							
IMD-SMPTE 60 Hz, 7 kHz	< 0.05 %								< 0.15 %							
DIM100		< 0.15 %														
3.15 kHz, 15 kHz								< U.	10 90							
Crosstalk ref. 1 kHz, 12 dB below Max., 8 Ω								< -8	80 dB							
Frequency Response ref. 1 kHz, analog in to speaker out						20 Hz to 20 k	(Hz (±0.5 dB)							20 Hz to 20	kHz (±1 dB)	
Damping Factor 20 Hz to 200 Hz, 8 Ω								> 4	400							
Output Stage Topology								Class D. fixe	ed frequency							
Signal to Noise Ratio Amplifier								Oldoo D, IIAC	ou moquomoy							
A-weighted, analog input						115	2 dB							115	i dB	
A-weighted, digital input							i dB								3 dB	
Output Noise						110	, ub							110	7 00	
A-weighted, analog input								< -7								
A-weighted, digital input									3 dBu							
DIGITAL SIGNAL PROCESSING								- 1	o ubu							
Sampling rate							48 kHz /	Q6 kHz OMN	EO/Dante syn	chronized						
Signal Delay / Latency							TO KITE 7	OU KIIZ, UWIN	LO7 Danto ayrı	IOTHOTHZGG						
analog in to Speaker Out,								∩ 7∩ ms	/ 0.53 ms							
48 kHz / 96 kHz								0.10 1110 1	0.00 1110							
Dante Network Latency								typ. 1.	00 ms							
Signal Processing								32/40 bit, f								
User EQ			12 filter	s ner channel	selectable as	PFN In-Shelv	Hi-Shelv In-S			In-Pass and No	ntch: 2 filters v	with additional	asymmetric fil	ter tyne		
User Delay				, , , , , , , , , , , , , , , , , , , ,						m, m, inches, f				5/F-		
Array EQ					5 filters ner e					o-ShelvQ, Hi-S		s and All-Pass				
Array Delay					o micoro pol u					n, m, inches, fe		o and rill I 000				
Speaker EQ					10					ı, iii, iliches, le ı, Hi-Pass, Lo-F		200				
Speaker X-Over			Hi_Doon	and In-Page									to 20 ms per	channel		
Speaker A-Over Speaker FIR			III-FdSS	anu Lu-FdSS	ры ыланны, О.					4740 ub Lilikw ase Brickwall X-		ппені веіду, С	m zo ms per	undillitti		
Speaker Limiters										miter per chani						
Other Functions			Snurea Salanti	on and Miv L	ovel Muta Dal							nedance Moss	rement and Lo	nad Monitorina		
Outer Laurenous			OUTILE ORIECH	un anu Mix, Li	oval, Midle, FUI	anty, offit allu	MOISE GEHELGI	.ur, i iiul iuiile i	usiitiatti allu	Detertion, FGA	oi wieleið, iillþ	rengues misas	mennent and Et	uau WWWIIWWIII		

Amplifier model	IPX5:4	IPX10:4	IPX10:8	IPX20:4
DIGITAL SIGNAL PROCESSING				
Memory				
DSP Presets		5 Factory +	20 User	
Speaker-Pool Presets		30 Speaker		
Source Supervision and Fallback		Pilot Tone supervision at Analog and OMNEO/Dante	<u> </u>	
CONNECTIVITY		That land dupor holes at thinking and difficult balls	inputs, omenors, to atomatre course conscion	
Analog Audio Input / Thru				
Туре	2 x 6-pin Euro	hlnck male	4 x 6-pin Euroblock, male	2 x 6-pin Euroblock, male
Maximum Input Level	2 NO PIN Edit	+21 0	· · · · · · · · · · · · · · · · · · ·	E X o più carononi, maio
nput Impedance, active balanced		20 k		
Reference level equal to digital input		+21 dBu fo		
Network		· ET dad to	. 5 45.6	
Туре		2 x Neutrik e	otherCON	
General		1000base-T / 100base-		
Network Audio Inputs		8 channels, 48/96 kHz, 1		
Network Audio Outputs (Monitor)		2 channels, 48/96 kHz, 1		
Mains Input		1 x Neutrik pov		
Speaker Output	1 x 8-pin Eurobloo	<u></u>	2 x 8-pin Euroblock, 6mm, female	1 x 8-pin Euroblock, 6mm, female
GPIO Control Port	1 X O pili Ediobiod	A, Offili, Iditale	2 X O pili Eurobiock, Oriili, Iciliais	1 X O pill Eurobiook, orilli, ierilaie
Туре		1 x 8-pin Euroblock, i	mala	
Ports and Operating Modes		3 x GPIO, switchable Analog		
		0 V to +13 V, 40 kC		
Analog Input Range			· · · · · · · · · · · · · · · · · · ·	
Digital Input Limits		ON: < 1.5 V / OFF: > 2.0 V ON: Output switched to GND, max. 200 mA		
Digital Outputs		<u> </u>	OFF: Open Collector (40 kΩ to GND)	
Reference Voltage Output				
DEADV/EAULT		+10 V, max. 200 mA, supervi	· · · · · · · · · · · · · · · · · · ·	
		+ 10 V, max. 200 mA, supervi galvanic isolated relay, max	· · · · · · · · · · · · · · · · · · ·	
GENERAL			· · · · · · · · · · · · · · · · · · ·	
GENERAL User Interface		galvanic isolated relay, maz	x. 30 VDC / 500 mADC	
GENERAL User Interface Display		galvanic isolated relay, max OLED 250	x. 30 VDC / 500 mADC	
GENERAL User Interface Display Front panel indicators		galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S'	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO)	
GENERAL User Interface Display Front panel indicators Front panel operating elements		galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, E1	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN)	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators		galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, E1) 1 x status LEE	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS)	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements		galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, EI 1 x status LEE Mains S'	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements		galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, E1) 1 x status LEE	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements		galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, EI 1 x status LEE Mains S'	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements Power Consumption Rated power consumption	700 W	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, EI 1 x status LEE Mains S'	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch	2250 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table)	700 W 900 W	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, Ef 1 x status LEE Mains St 100 V to 240 V, 50	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch I Hz to 60 Hz AC	2250 W 2850 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω		galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, E1 1 x status LEE Mains S 100 V to 240 V, 50	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, DMNEO) NTER, DOWN) 1) (STATUS) which 1Hz to 60 Hz AC	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal)	900 W	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, E1) 1 x status LED Mains S 100 V to 240 V, 50 1200 W	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) 0 (STATUS) witch 1300 W 1780 W	2850 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode	900 W 75 W	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, E1 1 x status LEE Mains S' 100 V to 240 V, 50 1200 W 1765 W 80 W	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) 0 (STATUS) witch 1300 W 1780 W 105 W < 18 W	2850 W 110 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, EI 1 x status LEC Mains S' 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Turn-o	2850 W 110 W < 19 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 26 4 × status LEDs (POWER, S' 3 buttons (UP, EI 1 x status LED Mains SI 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch Hz to 60 Hz AC 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Turn-onins Over-/Undervoltage Protection	2850 W 110 W < 19 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections Cooling	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 26 4 x status LEDs (POWER, S' 3 buttons (UP, EI 1 x status LED Mains Si 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit niters, High Temperature, DC, HF, Short Circuit, Back-EMF Mains Circuit Breaker Protection, Mai	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) Q (STATUS) witch Hz to 60 Hz AC 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Inrush Current Limiters, Turn-oins Over-/Undervoltage Protection d fans, supervised	2850 W 110 W < 19 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections Cooling Ambient Temperature Limits	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 26 4 x status LEDs (POWER, S' 3 buttons (UP, ET) 1 x status LEDs Mains St 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit niters, High Temperature, DC, HF, Short Circuit, Back-EMf Mains Circuit Breaker Protection, Mai	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Inrush Current Limiters, Turn-on ins Over-/Undervoltage Protection d fans, supervised 40 °F to +105 °F)	2850 W 110 W < 19 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections Cooling Ambient Temperature Limits IEC Protection Class	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 26 4 x status LEDs (POWER, S' 3 buttons (UP, EI 1 x status LEDs Mains Si 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit niters, High Temperature, DC, HF, Short Circuit, Back-EMF Mains Circuit Breaker Protection, Mai Front-to-rear, temperature controle +5 °C to +40 °C (+	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) O (STATUS) witch 1300 W 1780 W 105 W < 18 W 2al controlled Power Factor Correction F, Peak Current Limiters, Inrush Current Limiters, Turn-o ins Over-/Undervoltage Protection d fans, supervised 40 °F to +105 °F) punded)	2850 W 110 W < 19 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections Cooling Ambient Temperature Limits IEC Protection Class Electromagnetical Environment	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 26 4 x status LEDs (POWER, S' 3 buttons (UP, ET) 1 x status LEDs Mains S' 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit niters, High Temperature, DC, HF, Short Circuit, Back-EM; Mains Circuit Breaker Protection, Mains Circuit Breaker P	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) (STATUS) witch 14z to 60 Hz AC 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Inrush Current Limiters, Turn-o ins Over-/Undervoltage Protection df fans, supervised 40 °F to +105 °F) bunded) , E3	2850 W 110 W < 19 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections Cooling Ambient Temperature Limits IEC Protection Class Electromagnetical Environment Color	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, ET) 1 x status LEDs Mains SI 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit niters, High Temperature, DC, HF, Short Circuit, Back-EMF Mains Circuit Breaker Protection, Mai Front-to-rear, temperature controle +5 °C to +40 °C (+ Class I (grt E1, E2,	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) (STATUS) witch 14z to 60 Hz AC 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Inrush Current Limiters, Turn-o ins Over-/Undervoltage Protection df fans, supervised 40 °F to +105 °F) bunded) , E3 k	2850 W 110 W < 19 W
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections Cooling Ambient Temperature Limits IEC Protection Class Electromagnetical Environment Color Dimensions, (W x H x D), mm	900 W 75 W < 15 W	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, ET 1 x status LEE Mains SI 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit niters, High Temperature, DC, HF, Short Circuit, Back-EMF Mains Circuit Breaker Protection, Mai Front-to-rear, temperature controle +5 °C to +40 °C (+ Class I (grt E1, E2, Blac	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN) (STATUS) witch 14z to 60 Hz AC 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Inrush Current Limiters, Turn-o ins Over-/Undervoltage Protection df fans, supervised 40 °F to +105 °F) bunded) , E3 k	2850 W 110 W < 19 W
READY/FAULT contact GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements Power Consumption Rated power consumption (see BTU table) 1/8 Maximum Output Power at 4 Ω Idle Mode (no input signal) Standby Mode Power Supply Topology Protections Cooling Ambient Temperature Limits IEC Protection Class Electromagnetical Environment Color Dimensions, (W x H x D), mm Weight Shipping Weight	900 W 75 W < 15 W Audio Lin	galvanic isolated relay, ma: OLED 25i 4 x status LEDs (POWER, S' 3 buttons (UP, ET 1 x status LEC Mains SI 100 V to 240 V, 50 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digit niters, High Temperature, DC, HF, Short Circuit, Beak-EM, Mains Circuit Breaker Protection, Mains Circuit Breaker Controle +5°C to +40°C (+- Class L (gr. E1, E2, Blac 483 x 88:	x. 30 VDC / 500 mADC 6 x 64 TANDBY, FAULT, OMNEO) NTER, DOWN)) (STATUS) witch 14z to 60 Hz AC 1300 W 1780 W 105 W < 18 W tal controlled Power Factor Correction F, Peak Current Limiters, Irurab Current Limiters, Turn-oins Over-/Undervoltage Protection df fans, supervised 40 °F to +105 °F) bunded) , E3 k 1 x 514	2850 W 110 W < 19 W

Amplifier at rated conditions, Low-Z Normal operation mode, all channels driven, 4 Ω loads, Analog input, 32 dB Gain, 48 kHz sample rate, unless otherwise specified.
¹ Test signal for max. output power according IHF-A-202 (Dynamic-Headroom, burst 1 kHz / 20 ms on / 480 ms off / low level -20 dB)

Subject to change without prior notice.

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² Available in Bridged ration mode only.