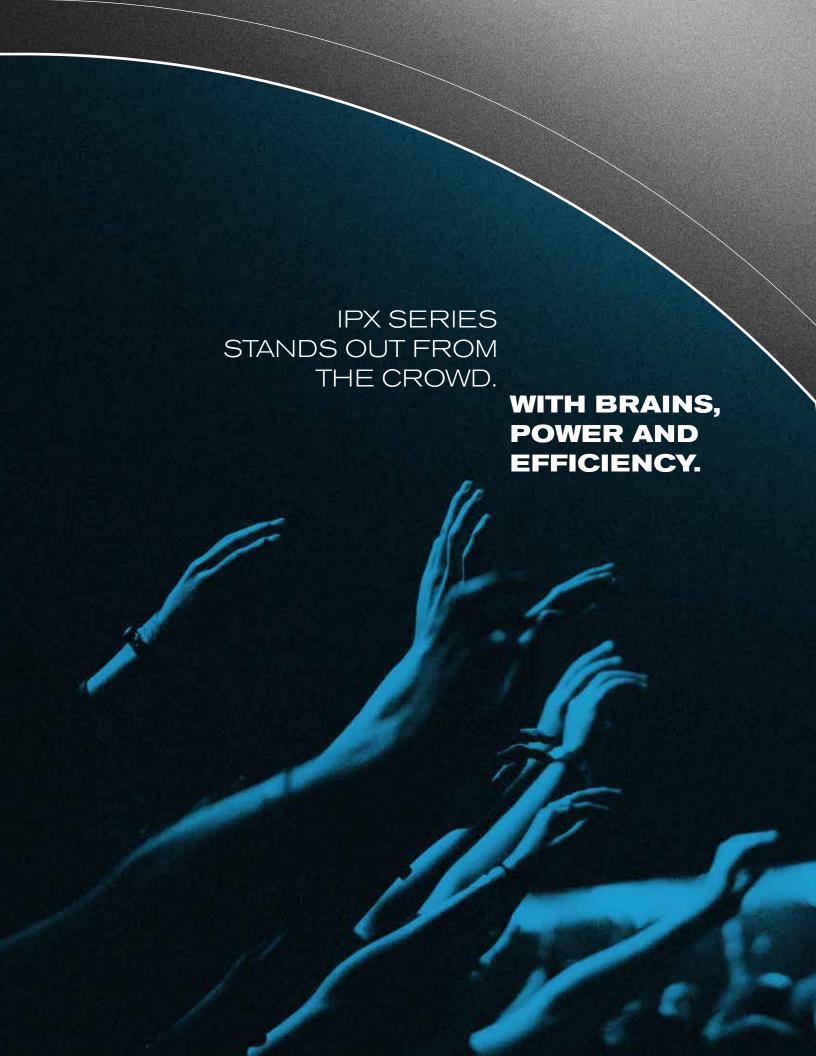


IPX Series

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

$4 \times 1,250 \text{ W} @ 4 \Omega$

(maximum output power per channel*)



IPX 10:4

$4 \times 2,500 \ W @ 4 \ \Omega$

(maximum output power per channel*)



IPX 10:8

8 x 1,250 W @ 4 Ω

(maximum output power per channel*)



IPX20:4

$4 \times 5,000 \ W @ 4 \ \Omega$

(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.

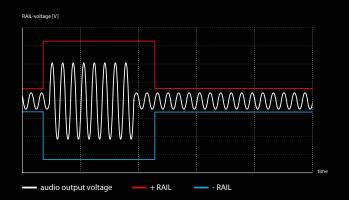
Our amplifier expertise and applied technologies will give our IPX series amplifiers ultimate protection from damage and ensure flawless operation - even under the most challenging conditions. In addition, our engineering technology also contributes to significantly reduce operation costs while maintaining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

technology

ABOUT OMNEO

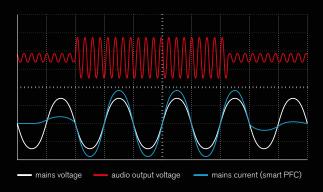
OMNEO is an architectural approach to connecting devices that need to exchange information such as audio content or device control. Built upon multiple technologies, including IP and open public standards, OMNEO supports the technologies of today – such as Audinate's Dante – while adopting the standards 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



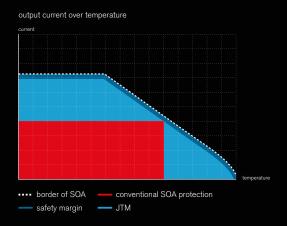
ECO RAIL TECHNOLOGY

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



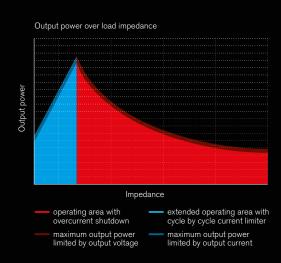
SMART PFC - POWER FACTOR CORRECTION

- 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

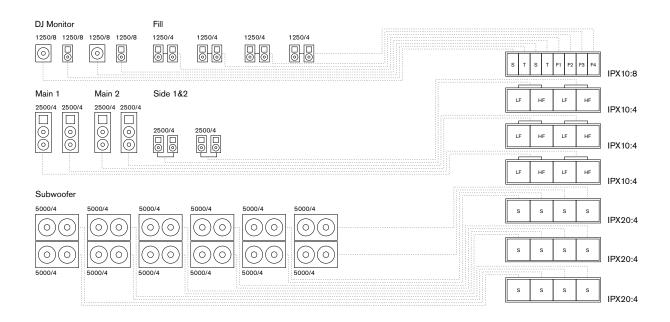


CYCLE BY CYCLE CURRENT LIMITER

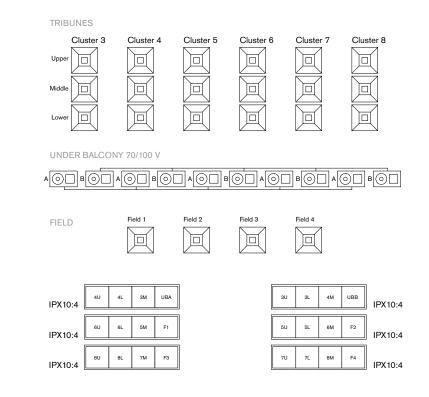
- Continue to make sound
- Maximizes reliability under all load conditions
- Able to drive low impedance

application

CLUB



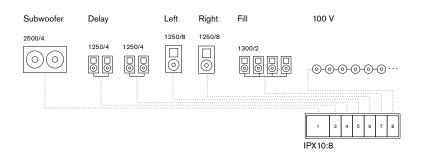
STADIUM



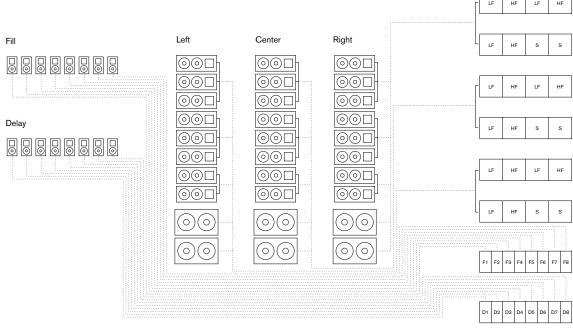




CITY HALL



PERFORMING ARTS CENTER





IPX10:4

IPX10:8



TECHNICAL SPECIFICATIONS

Amplifier model		IPX	(5:4			IPX	10:4			IPX	10:8			IPX20:4		
OUTPUT POWER																
Low-Z mode: Load Impedance	20	2.7 Ω	4Ω	8Ω	2 0	2.7 Ω	4Ω	8Ω	20	2.7 Ω	4Ω	8Ω	2Ω	2.7 Ω	4Ω	8Ω
Maximum Output Power 1								,			,					
Normal Mode, all channels driven	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	2500\
Bridged	-	-	2600 W	2500 W	-	-	5200 W	5000 W	-	-	2600 W	2500 W		n.a		
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		
	2000 11	0000 11	0000 11	0000 11	10 100 11	12000 11	10000 11	0000 11	0200 11	0000 11	0000 11	0000 11		11.0		
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			-	В			4		
Maximum Output Voltage						150	V peak							210 V	nook	
normal mode, per channel						100	v рвак							210 V	peak	
Maximum Output Current normal mode, per channel		41 A	peak			53 <i>F</i>	A peak			41 A	peak			84 A _I	oeak	
AMPLIFIER		-	-													
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																
Low-Z mode, ref. to Max. Output					10.7 dB	u (2 RR V) ad	justable -1.3 -	99 7 dBu					13.7 dBu	(3.73 V), adju	stable 1.7 -	25 7 dBu
Voltage					10.1 45	(2.00 1), 40							10.1 454	(0110 1), aaja	otabio iii	
Direct Drive mode							6 0	Bu (1.55 V), f	ixed							
THD								< 0.0	15 %							
3dB below max., AES17, 1kHz																
IMD-SMPTE 60 Hz, 7 kHz	< 0.05 %						< 0.15 %									
DIM100 3.15 kHz, 15 kHz								< 0.1	5 %							
Crosstalk									. ID							
ref. 1 kHz, 12 dB below Max., 8 Ω								< -8	J dB							
Frequency Response ref. 1 kHz, analog in to speaker out	20 Hz to 20 kHz (±0.5 dB) 20 Hz to 20 kHz (Hz (±1 dB)									
Damping Factor 20 Hz to 200 Hz, 8 Ω								> 4	00							
Output Stage Topology								Class D, fixe	d frequency							
Signal to Noise Ratio Amplifier								Glado by Into	a moquonoy							
A-weighted, analog input						11'	2 dB							115	dВ	
A-weighted, digital input							5 dB							118		
Output Noise							o do							110	ub	
A-weighted, analog input								< -70	l dBu							
A-weighted, digital input								< -73								
DIGITAL SIGNAL PROCESSING								, 10	- ubu							
Sampling rate							48 kHz /	96 kHz OMNI	O/Dante sync	hronized						
Signal Delay / Latency							10 10127	JO KIIZ, OMIN	.O/ Dante Sync	illollizou						
analog in to Speaker Out,								0.70 ms /	0.53 ms							
48 kHz / 96 kHz Dante Network Latency								typ. 1.0	In me							
·																
Signal Processing User EQ			19 filter	nor channel	ealantahla as F	DEU Tu Gpop	Hi_Shok I c S	32/40 bit, fl		n_Dage and No	toh: 9 filtoro	ith additional	asymmetric filt	ar tyno		
			12 IIILEIS	per criatifier,	ociccianie 92 l							iui auuluvilali	asymmicuic illi	я турв		
User Delay					E filtare 1		2000 ms per					and All D				
Array EQ					o tilters per ch		ble as PEQ, Lo					and All-Pass				
Array Delay							500 ms per c									
Speaker EQ							nnel, selectable									
Speaker X-Over			Hi-Pass	and Lo-Pass p	er channel, 6/						J. U	ment Delay, O	to 20 ms per c	hannel		
Speaker FIR							1025 taps, Lin									
Speaker Limiters						Pea	ak Anticipation	Limiter and R	MS/TEMP Lin	niter per chann	el					
Other Functions		5	Source Selection	on and Mix, Le	vel, Mute, Pola	rity, Sine and	Noise Generato	or, Pilot Tone G	enerator and l	Detection, Leve	l Meters, Impe	edance Measu	rement and Lo	ad Monitoring		

Amplifier model	IPX5:4	IPX10:4	IPX10:8	IPX20:4
DIGITAL SIGNAL PROCESSING				
Memory				
DSP Presets		5 Factory + 2	10 User	
Speaker-Pool Presets		30 Speaker S		
Source Supervision and Fallback		Pilot Tone supervision at Analog and OMNEO/Dante in		
CONNECTIVITY		· · · · · · · · · · · · · · · · · · ·	F,	
Analog Audio Input / Thru				
Туре	2 x 6-pin E	Euroblock, male	4 x 6-pin Euroblock, male	2 x 6-pin Euroblock, male
Maximum Input Level		+21 dB	· · · · · · · · · · · · · · · · · · ·	
Input Impedance, active balanced		20 kΩ		
Reference level equal to digital input		+21 dBu for	D dBFS	
Network				
Type		2 x Neutrik eti	nerCON	
General		1000base-T / 100base-T)		
Network Audio Inputs		8 channels, 48/96 kHz, Of	-	
Network Audio Outputs (Monitor)		2 channels, 48/96 kHz, Of		
Mains Input		1 x Neutrik powe		
Speaker Output	1 x 8-nin Furnh	olock, 6mm, female	2 x 8-pin Euroblock, 6mm, female	1 x 8-pin Euroblock, 6mm, female
GPIO Control Port	i v o bili culor	one of the following of	2 A O pin Europioon, offin, fortuno	i v o bui regonioni ounui iguigi
Туре		1 x 8-pin Euroblock, n	nale	
Ports and Operating Modes		3 x GPIO, switchable Analog In		
Analog Input Range		0 V to +13 V, 40 kΩ	· · · · · · · · · · · · · · · · · · ·	
Digital Input Limits		ON: < 1.5 V / OFF: > 2.0 V, i	·	
Digital Input Limits Digital Outputs		ON: Output switched to GND, max. 200 mA	OFF: Open Collector (40 kΩ to GND)	
Reference Voltage Output		+ 10 V, max. 200 mA, supervise	<u> </u>	
READY/FAULT contact			su, short circuit protecteu	
		galuania inalatad ralau may	3U NUG 1 EUU WNUG	
		galvanic isolated relay, max.	30 VDC / 500 mADC	
GENERAL		galvanic isolated relay, max.	30 VDC / 500 mADC	
GENERAL User Interface				
GENERAL User Interface Display		OLED 256	x 64	
GENERAL User Interface Display Front panel indicators		OLED 256 : 4 x status LEDs (POWER, STA	x 64 NDBY, FAULT, OMNEO)	
GENERAL User Interface Display Front panel indicators Front panel operating elements		OLED 256 : 4 x status LEDs (POWER, STA 3 buttons (UP, ENT	x 64 NDBY, FAULT, OMNEO) ER, DOWN)	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators		OLED 256 : 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (x 64 NDBY, FAULT, OMNEO) ER. DOWN) STATUS)	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements		OLED 256. 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements		OLED 256 : 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch	
GENERAL User Interface Display Front panel indicators Front panel operating elements Rear panel indicators Rear panel operating elements Power Requirements		OLED 256. 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch	
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	OLED 256. 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch	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	OLED 256. 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H	x 64 INDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch Iz 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		OLED 256 : 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch tzh tz to 60 Hz AC	
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)	900 W	OLED 256: 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H	x 64 NDBY, FAULT, OMNED) ER, DOWN) STATUS) tch tz to 60 Hz AC 1300 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 Idle Mode (no input signal) Standby Mode	900 W 75 W	0LED 256 : 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W	x 64 NDBY, FAULT, OMNED) ER, DOWN) STATUS) tch tz to 60 Hz AC 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	0LED 256. 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch Iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-or	2850 W 110 W < 19 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 Protections	900 W 75 W < 15 W	OLED 256. 4 x status LEDs (POWER STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF,	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-or S 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	OLED 256. 4 x status LEDs (POWER STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Mains Circuit Breaker Protection, Mains Front-to-rear, temperature controled	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch Iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-ot s Over-/Undervoltage Protection fans, supervised	2850 W 110 W < 19 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 Protections Cooling Ambient Temperature Limits	900 W 75 W < 15 W	OLED 256. 4 x status LEDs (POWER STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Mains Circuit Breaker Protection, Mains	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Inrush Current Limiters, Turn-or s Over-/Undervoltage Protection [fans, supervised] 0 °F to +105 °F)	2850 W 110 W < 19 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 Protections Cooling Ambient Temperature Limits IEC Protection Class	900 W 75 W < 15 W	OLED 256. 4 x status LEDs (POWER STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Mains Circuit Breaker Protection, Mains Front-to-rear, temperature controled +5 °C to +40 °C (+40	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-or s Over-/Undervoltage Protection [fans, supervised]] °F to +105 °F) nded)	2850 W 110 W < 19 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 Protections Cooling Ambient Temperature Limits IEC Protection Class Electromagnetical Environment	900 W 75 W < 15 W	OLED 256. 4 x status LEDs (POWER STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Mains Circuit Breaker Protection, Mains Front-to-rear, temperature controled +5 °C to +40 °C (+40 °C	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch Iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-or s Over-/Undervoltage Protection I ans, supervised 0 °F to +105 °F) nded) 3	2850 W 110 W < 19 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 Protections Cooling Ambient Temperature Limits IEC Protection Class Electromagnetical Environment Color	900 W 75 W < 15 W	OLED 256. 4 x status LEDs (POWER STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Mains Circuit Breaker Protection, Mains Front-to-rear, temperature controled +5 °C to +40 °C (+40 °C)	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch Iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-ot s Over-/Undervoltage Protection I ans, supervised J °F to +105 °F) nded) 3	2850 W 110 W < 19 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 Protections Cooling Ambient Temperature Limits IEC Protection Class Electromagnetical Environment Color Dimensions, (W x H x D), mm	900 W 75 W < 15 W	OLED 256. 4 x status LEDs (POWER STA 3 buttons (UP, ENT 1 x status LED (Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Mains Circuit Breaker Protection, Mains Front-to-rear, temperature controled +5 °C to +40 °C (+40 °	x 64 NDBY, FAULT, OMNEO) ER, DOWN) STATUS) tch Iz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-ot s Over-/Undervoltage Protection I ans, supervised J °F to +105 °F) nded) 3	2850 W 110 W < 19 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	OLED 256. 4 x status LEDs (POWER, STA 3 buttons (UP, ENT 1 x status LED Mains Swi 100 V to 240 V, 50 H 1200 W 1765 W 80 W < 16 W Switching Mode Power Supply with digital Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Mains Circuit Breaker Protection, Mains Front-to-rear, temperature controlled +5 °C to +40 °C (+4t Class I (grou E1, E2, E Black 483 x 88.1;	x 64 NDBY, FAULT, OMNED) ER, DOWN) STATUS) tch tz to 60 Hz AC 1300 W 1780 W 105 W < 18 W controlled Power Factor Correction Peak Current Limiters, Turn-or S Over-/Undervoltage Protection 1ans, supervised 0 °F to +105 °F) nded) 3	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.

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.

Headquarter Addresses

North America Global HQ Bosch Security Systems, Inc. Burnsville, MN +1-952-884-4051

Latin America Regional HQ Robert Bosch, Limitada Security Systems Campinas, SP, Brasil +55 19 2103-4282

Asia Pacific Regional HQ Robert Bosch (SEA) Pte Ltd Singapore +65 6571 2808

China Regional HQ Bosch (Shanghai) Security Systems Ltd. IBP, Changning District Shanghai, P.R. China 400-8310-669

Europe Regional HQ Bosch Sicherheitssysteme GmbH (EVI Audio GmbH) Straubing, Germany +49 9421 706-0

² Available in Bridged ration mode only.