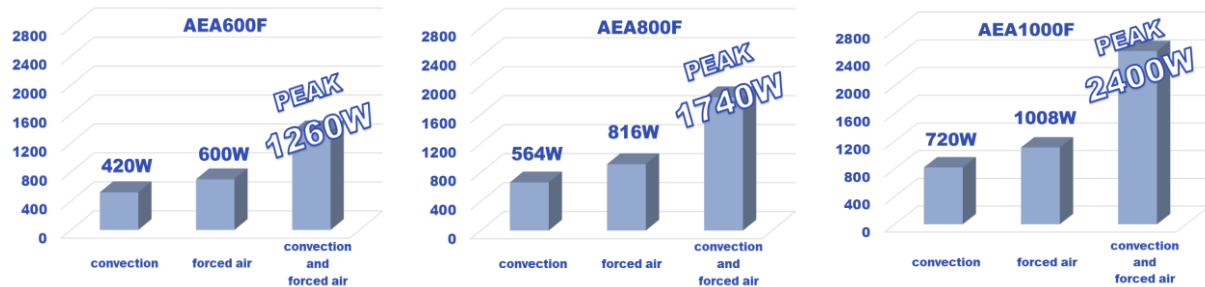


AEA SERIES



MODEL		AEA600F				AEA800F			AEA1000F		
DC OUTPUT		24V	32V	36V	48V	24V	36V	48V	24V	36V	48V
INPUT VOLTAGE		85Vac - 264Vac, 1ϕ (Output derating is required at 85Vac - 170Vac)									
OUTPUT CURENT / OUTPUT POWER (90Vac - 170Vac)	Convection	14.0A	10.5A	9.4A	7.0A	17.6A	11.7A	8.8A	22.5A	15.0A	11.3A
		336W	336W	338W	336W	422W	421W	422W	540W	540W	542W
	Forced air	20.0A	15.0A	13.4A	10.0A	25.5A	17.0A	12.7A	31.5A	21.0A	15.8A
		480W	480W	482W	480W	612W	612W	609W	756W	756W	758W
	Peak	42.0A	31.5A	28.0A	21.0A	54.3A	36.3A	27.2A	75.0A	50.0A	37.5A
		1008W	1008W	1008W	1009W	1303W	1306W	1305W	1800W	1800W	1800W
OUTPUT CURENT / OUTPUT POWER (170Vac - 264Vac)	Convection	17.5A	13.2A	11.7A	8.8A	23.5A	15.7A	11.8A	30.0A	20.0A	15.0A
		420W	422W	421W	422W	564W	565W	566W	720W	720W	720W
	Forced air	25.0A	18.8A	16.7A	12.5A	34.0A	22.7A	17.0A	42.0A	28.0A	21.0A
		600W	601W	601W	600W	816W	817W	816W	1008W	1008W	1008W
	Peak	52.5A	39.4A	35.0A	26.3A	72.5A	48.4A	36.3A	100.0A	66.7A	50.0A
		1260W	1260W	1260W	1262W	1740W	1742W	1742W	2400W	2401W	2400W
POWER FACTOR (100Vac / 230Vac Load 100%*)		0.98typ / 0.95typ									
EFFICIENCY (100Vac / 230Vac Load 100%*)		92.0% / 94.5%	92.0% / 95.0%			92.5% / 95.0%	92.5% / 95.5%		92.0% / 95.5%		
LEAKAGE CURRENT (240Vac, 60Hz, Load 100%*)		0.30mA max									
OPERATING TEMPERATURE		-20°C to +70°C (Output derating is required)									
VOLTAGE DIP OUTPUTTABLE LOAD FACTOR	IEC60601-1-2	Dip 100% (100Vac→ 0Vac) 20msec.									Criteria A Load factor is 100%* or less
		Dip 60% (100Vac→40Vac) 100msec.									
		Dip 30% (100Vac→70Vac) 500msec.									
	SEMI F47-0706	Dip 50% (100Vac→50Vac) 200msec.									
		Dip 30% (100Vac→70Vac) 500msec.									
		Dip 20% (100Vac→80Vac) 1000msec.									
AGENCY APPROVALS		UL62368-1, ANSI/AAMI ES 60601-1, C-UL (equivalent to CAN/CSA-C22.2 No.62368-1, CAN/CSA-C22.2 No.60601-1), EN62368-1, EN60601-1 3rd, EN62477-1 (OVCⅢ), UL508 (Optional:-T5 *Excl. 32Vdc Model)									
		Complies with IEC60601-1-2 (2014), EN60601-1-2 (2015)									
CONDUCTED NOISE		Complies with FCC Part15 classB, VCCI-B, CISPR32-B, EN55011-B, EN55032-B									
HARMONIC ATTENUATOR		Complies with EN61000-3-2 classA									
CASE SIZE / WEIGHT		41×127×186 mm [1.61×5.00×7.32 inches] (W×H×D) (Excl. terminal block) / 1.0kg max				50×127×203.2 mm [1.97×5.00×8.00 inches] (W×H×D) (Excl. terminal block) / 1.3kg max			50×127×228.6 mm [1.97×5.00×9.00 inches] (W×H×D) (Excl. terminal block) / 1.5kg max		

* Load100% means the output current under forced air.

COSEL

- Fanless high power for silent operation
- Single output with 3x Peak current
- Medical and Industrial safety approvals



AEA600F

AEA800F

AEA1000F

Head Office **COSEL CO., LTD.**
1-6-43 Kamiakae-machi, Toyama 930-0816, Japan
TEL: +81-764-32-8152 - FAX: +81-764-42-9660 - E-mail: sales@cosel.co.jp – Web: https://en.cosel.co.jp

AMERICA
COSEL U.S.A., INC.
Phone: +1-800-888-3526
E-mail: sales@coselusa.com
Web: www.coselusa.com

Engineering and Technical Support
Phone: +1-866-921-0968
E-mail: techsupport@coselusa.com

EUROPE
COSEL EUROPE GmbH
Phone: +49-69-95 00 79-0
E-mail: sales@cosелеurope.com
Web: www.coseleurope.eu

Engineering and Technical Support
E-mail: techsupport@cosелеurope.eu

ASIA
COSEL ASIA LTD.
Phone: +852-2305-2712
E-mail: sales@coselasia.com
Web: www.coselasia.com

COSEL (SHANGHAI) ELECTRONICS co., Ltd.
Phone: +86-21-6440-0381
E-mail: sales@coselasia.cn
Web: www.coselasia.cn

Robotics & Demanding medical

AEA
SERIES

Fanless for demanding Medical and Robotics industries



Patient safety

Medical approval
2 MOPP (I/O) and 1 MOPP (O/G)
4kVac isolation
Low leakage current < 0.3mA



Fanless

For silent and reliable operation in demanding environments
Low maintenance and Cost of Ownership



High power density design

40% space reduction and
< 1U height for easy integration in compact systems



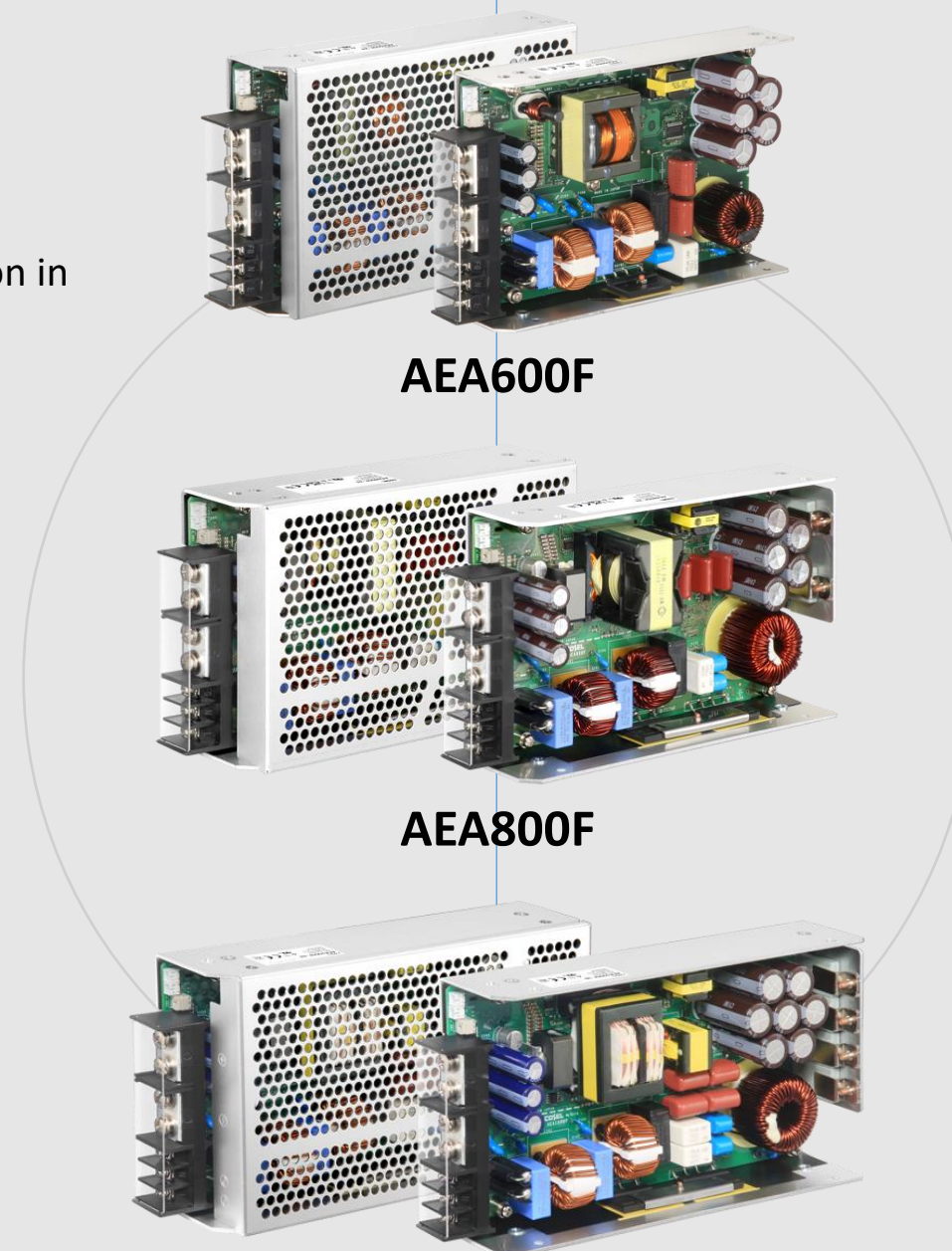
Digital communication

Optional RS-485 bus
available for digital system monitor and control



Proven reliability

Market leading failure rate of < 30ppm
5 years warranty
10 years of expected lifetime



AEA600F

AEA800F

AEA1000F

3x Peak Power and OVC III for Factory Automation

Repetitive peak load

Extra high 300% peak capability
Designed for robotics requirements
Perfect for motors and amplifiers



Low Power Losses

Up to 95% efficiency
Simplified thermal management
and high reliability systems



Robust and safe

Layout optimized for free air circulation and operation in dusty environments



Easy scalability

Parallel up to 6 devices
and 12.9kW peak power



For Fixed Installations

Direct use in Factory and Building Automation
OVC III approval (EN62477-1)
Withstands 4kV transient voltage

