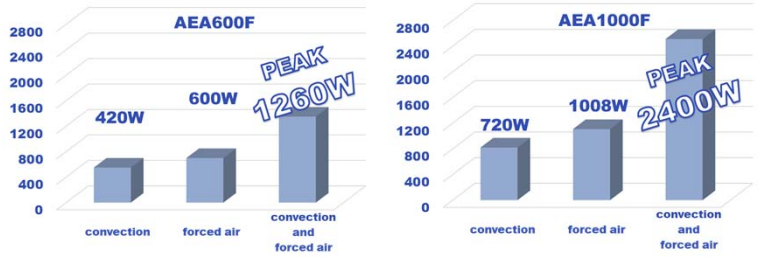
AEA SERIES



MODEL		AEA600F			AEA1000F		
DC OUTPUT		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 / 336W	9.4A / 338W	7.0A / 336W	22.5A / 540W	15.0A / 540W	11.3A / 542W
	Forced air	20.0A / 480W	13.4A / 482W	10.0A / 480W	31.5A / 756W	21.0A / 756W	15.8A / 758W
	Peak	42.0A / 1008W	28.0A / 1008W	21.0A / 1009W	75.0A / 1800W	50.0A / 1800W	37.5A / 1800W
OUTPUT CURENT / OUTPUT POWER (170Vac - 264Vac)	Convection	17.5A / 420W	11.7A / 421W	8.8A / 422W	30.0A / 720W	20.0A / 720W	15.0A / 720W
	Forced air	25.0A / 600W	16.7A / 601W	12.5A / 600W	42.0A / 1008W	28.0A / 1008W	21.0A / 1008W
	Peak	52.5A / 1260W	35.0A / 1260W	26.3A / 1262W	100.0A / 2400W	66.7A / 2401W	50.0A / 2400W
POWER FACTOR (100Vac / 230Vac Load 100%*)		0.98typ / 0.95typ					
EFFICENCY (100Vac / 230Vac Load 100%*)		92.0% / 94.5%	92.0% / 95.0%				
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), Complies with IEC60601-1-2 4th Ed.					
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			50×127×228.6 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.

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The Cosel Group incorporate Powerbox International AB.

Oct. 2021

COSEL

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

Robotics & Demanding medical

AEA

SERIES

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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

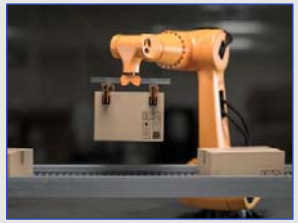
AEA1000F

AEA600F

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