

June 27th. 2025

COSEL expands its PDA series with PDA300F・PDA600F models

1. Design Background

COSEL has already introduced the PDA series of AC/DC single output power supplies in 15 to 150 Watts versions. This series is the next generation to the very successful PBA series. COSEL is now expanding the PDA series by adding 300 and 600 Watt versions. The PDA series line-up will now have output power of 15, 30, 50, 100, 150, 300 and 600 Watts.

2. Product Enchantments

(1) Same case size and mounting dimensions as the PBA series (Easy Drop-in Replacement of the PBA).

(2) High efficiency 88.5%. PDA600F: 5% Improved.

*Compared to COSEL's existing model

(3) Output voltage adjustment is available for setting down to approximately 0V. A constant current mode is available.

*An external circuit is required.

(4) Built-in functions Auxiliary Output (AUX), Remote-control, Alarm Signal, Parallel Operation, etc.

(5) Low noise design: Complied with CISPR32-B, FCC-B, VCCI-B, EN55032-B

(6) Safety Standards ・ CE Marking

UL (America), C-UL (Canada), DEMKO (Denmark)

UL62368-1, EN62368-1

CE Marking: Low Voltage Directive, RoHS applicable

(7) Product line-up

Seq.	Model Name	Outputs	Case Size: W x H x D	Weight
1	PDA300F	5V, 60.0A 12V, 27.0A 15V, 22.0A 24V, 14.0A 36V, 9.0A 48V, 7.0A	102 x 42 x 170 mm [4.02 x 1.65 x 6.69 inches] *Excluding block terminals and screws	1.0 kg (max.)
2	PDA600F	5V, 120.0A 12V, 53.0A 15V, 43.0A 24V, 27.0A 36V, 18.0A 48V, 13.0A	120 x 61 x 190 mm [4.72 x 2.40 x 7.48 inches] *Excluding block terminals and screws	1.6 kg (max.)

3. Target Applications

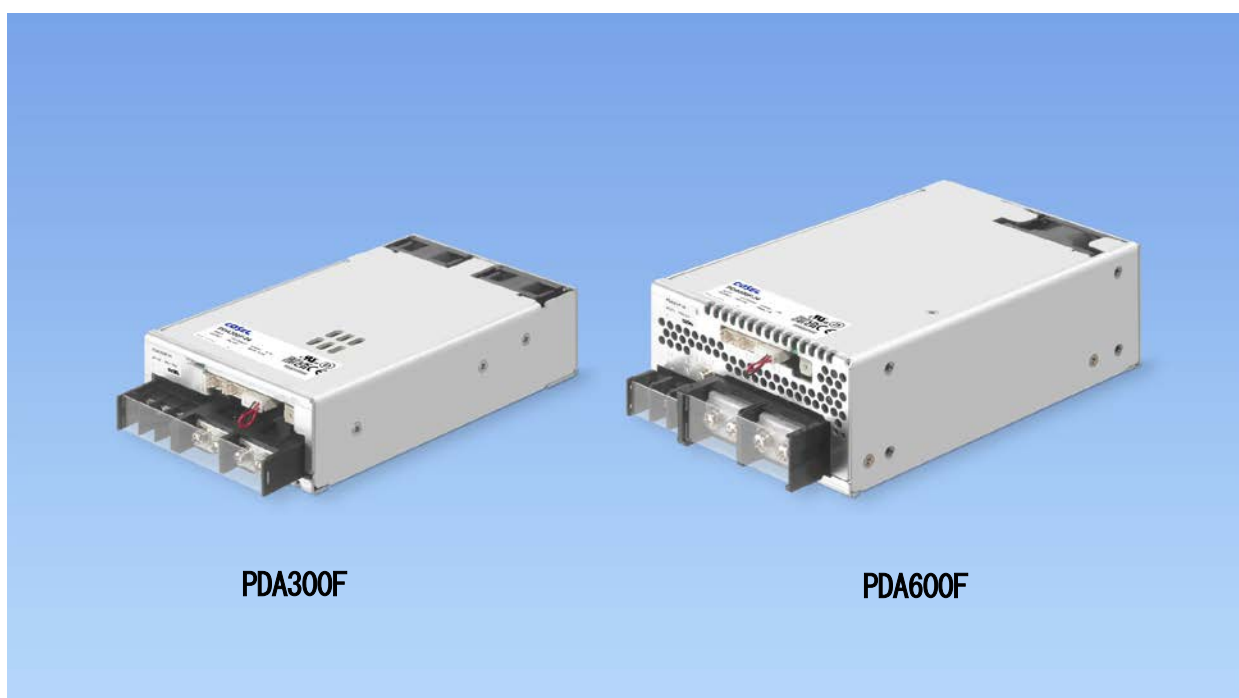
- (1) Measurement ・ Factory Automation equipment
- (2) Industrial Robotics
- (3) Signs, and other display devices
- (4) Amusement devices
- (5) Various manufacturing equipment like Chip-mounter machines
- (6) Semi-con manufacturing equipment
- (7) Other General Industrial equipment

4. Release Date

PDA600F: June. 2025

PDA300F: July. 2025

5. Product Appearance



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