May 7th. 2026

COSEL newly launches its PDW Series

Next generation to replace the existing PBW Series.

1. Design Background

A power supply is an essential device for many applications such as Control equipment for factory automation, Measurement, Sign, Semiconductor equipment and others.
COSEL developed its PDW Series as the next generation power supply to the existing PBW Series.
The PDW Series features “Easy Drop-in Replacement” as the form factor is the same as the PBW.
Improved Features include “High Efficiency” and “Low Noise”.
COSEL has already launched the 15W to 600W versions of the PDA as single output AC-DC power supplies but is now adding 30W and 50W as the PDW Series, dual outputs AC-DC power supplies.

2. Product Features:

(1) Compatibility

Same case size and mounting dimensions as the existing PBW Series (Easy Drop-in Replacement).

(2) Higher Efficiency

Efficiency 83.0% (PDW30F-15: Approximately 4 points improvement compared to the existing PBW model.)

(3) Low standby power consumption

Standby Wattage 1.5W (PDW30F: Approximately 54% decreased compared to the existing PBW model).

(4) Wide Operating Temperature Range

Full load available up to 50℃, Cold start available as low as -20℃

(5) Low-noise design

Complies with CISPR32-B, FCC-B, VCCI-B, EN55032-B

(6) Approval by safety standards agency and compliance with the CE mark

UL (America), C-UL (Canada), DEMKO (Denmark)
UL62368-1, EN62368-1
CE Marking: Low Voltage Directive, RoHS Directive

(7) Product line-up

Model Name	Outputs	Rated Power	Case Size: W × H x D	Weight
PDW30F	±12V ±15V	30W	31 x 78 x 103 mm [1.22 x 3.07 x 4.06 inches]	250g (max.)
PDW50F	±12V ±15V	50W	31 x 82 x 120 mm [1.22 x 3.23 x 4.72 inches]	250g (max.)

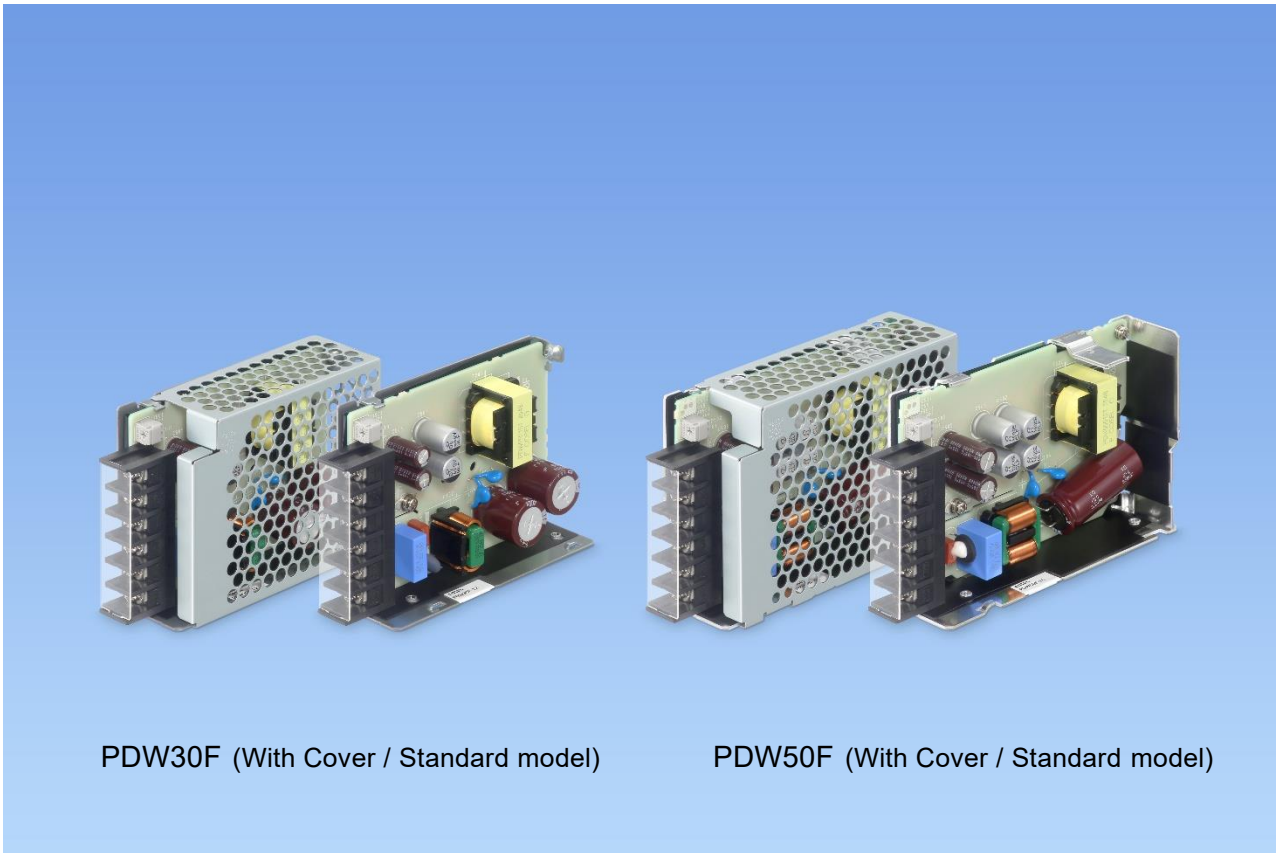
3. Target Applications

(1) Measurement Equipment, Control Equipment for Factory Automation
(2) Industrial Robotics
(3) Signs, and Other Display Equipment
(4) Amusement Equipment
(5) Chip Mounting Machines
(6) Semiconductor Manufacturing Equipment
(7) Other General Industrial Equipment

4. Release Schedule

May 2026

5. Product Images



PDW30F (With Cover / Standard model)

PDW50F (With Cover / Standard model)

< Press contact >
Head Office COSEL CO., LTD.
Email: sales@cosel.co.jp
TEL: +81-76-432-8152