

April 8th. 2025

COSEL expands its TE series with TECS/TEPS10・TECS/TEPS20 models

1. Design Background

In 2023 COSEL released the TE series of highly compact 45 and 65 Watt AC/DC power supplies. To further expand the TE series COSEL is adding 10 and 20 Watt versions.

The TE series will now have wattages of 10, 20, 45, and 60 Watts. All wattages will be available in both the board level mount or open frame versions.

2. Product Enchantments

(1) Highly Compact Volume: 50% to 60% Smaller.

(2) High efficiency 92.0%: TECS24F-24 has a 10% improved over existing COSEL models.

(3) Low Stand-by Power Consumption at no load. 0.1W typ. (230VACin)

(4) Applicable with Class II . No need FG (Frame Ground) connection

(5) Wide Operating Temperature Range.

-20 C degrees to +85 C degrees (Ambient Temperature)

(6) 2 Types of interfaces (Connector Type open frame and Pin Type board mount)

(7) Safety Standards ・ CE Marking

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

UL62368-1, EN62368-1

CE Marking: Low Voltage Directive, RoHS applicable

(8) Product line-up

Seq.	Model Name	Outputs	Case Size: W x H x D	Weight
1	TECS10F	5V, 2.0A 12V, 0.85A	25.4 x 21.1 x 58.5 mm [1.00 x 0.83 x 2.30 inches]	35g (max.)
2	TEPS10F	15V, 0.7A 24V, 0.45A	25.4 x 21.6 x 38.1 mm [1.00 x 0.85 x 1.50 inches]	30g (max.)
3	TECS20F	5V, 4.0A 12V, 1.7A	25.4 x 21.1 x 58.5 mm [1.00 x 0.83 x 2.30 inches]	35g (max.)
4	TEPS20F	15V, 1.35A 24V, 0.85A	25.4 x 21.6 x 38.1 mm [1.00 x 0.85 x 1.50 inches]	30g (max.)

3. Target Applications

- (1) Measurement ・ Factory Automation equipment
- (2) Energy Saving devices like BEMS or HEMS

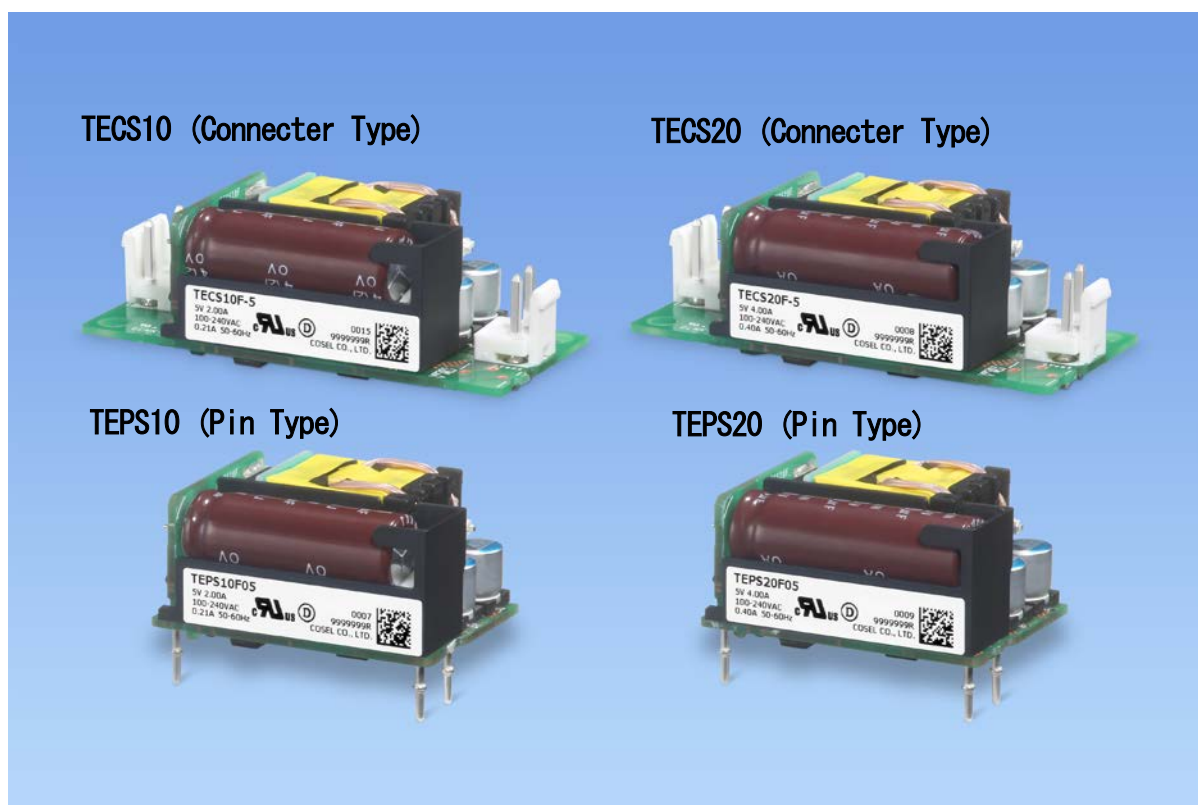
*BEMS: Building Energy Management System, HEMS: Home Energy Management System

- (3) Security Management devices
- (4) Communication Systems
- (5) Other General Industry equipment

4. Release Date

April. 2025.

5. Product Appearance



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