

**TECS/TEPS** series **NEW**

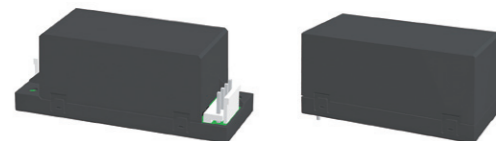


Model	TECS45F	TEPS45F	TECS65F	TEPS65F
Input Voltage	85-264VAC			
Output Voltage / Current	5V	8A	10A	
	12V	3.8A	5.45A	
	24V	1.9A	2.75A	
Efficiency (100VAC / 230VAC, I <sub>o</sub> =100%) *24VDCout	91.5% / 92.5%		92.5% / 93.5%	
Leakage Current (240VAC, 60Hz, I <sub>o</sub> =100%)	0.25mA Max.			
Operating Ambient Temperature	-10°C to +70°C (Derating is required.)			
Safety Standard Approvals	UL62368-1, C-UL (Equivalent to CAN/CSA-C22.2 No.62368-1), EN62368-1			
Safety Standard Compliant	DEN-AN			
Conducted Noise	CISPR11-B, CISPR32-B, EN55011-B, EN55032-B, FCC Part 15-B, FCC Part 18-B, VCCI-B Compliant			
EMC Immunity	IEC61000-3-2 (Class A) Compliant *No PFC			
Case Size (W×H×D) mm [Inches]	25.4 x 23.5 x 76.2 [1.00 x 0.93 x 3.00]	25.4 x 24.0 x 58.5 [1.00 x 0.94 x 2.30]	25.4 x 27.0 x 76.2 [1.00 x 1.06 x 3.00]	25.4 x 27.5 x 58.5 [1.00 x 1.08 x 2.30]

**Option** (Scheduled to be available in Yr. 2024.)

■ **Case** Option -N

-N option can be used to prevent foreign substance intrusion and is suitable for use in harsh conditions.



Connector Type "TECS"

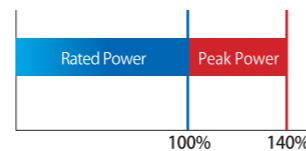
Pin Type "TEPS"

\*Shape may be different. Please note kindly.

■ **Peak** Option -H

**Peak Power Approx. 140%**  
(12VDC, 24VDC)

-H option provides up to 1.4 times peak power, ideal for startup conditions requiring large inrush current.



*Compact Size  
AC-DC Power Supply*

# TECS/TEPS series



TECS45F



TEPS45F



TECS65F



TEPS65F

# INDUSTRIAL 45/65W

**NEW**

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# TECS/TEPS series

## 1X3 inch Foot Print One of the Highest Power Density in the world

Suitable for Various Applications like Industrial, Building and Consumer Equipment.  
Contributes Green Activities by its High Efficiency and Low Power Consumption.

**2WAYS** × **Compatible**



Original Size

### Compact / High Efficiency

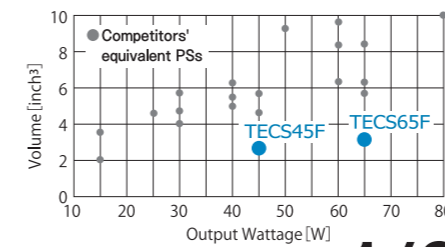
## Compact, High Power and High Density Power Supply

TE series uses Wide Band Gap Semi-conductor (GaN HEMT), Active Clump Fly Back Circuit (65W) and High Frequency PCB Transformer. The TE series can achieve High Efficiency by those technologies and is suitable for Various Applications.

Can save space in application

#### Compact

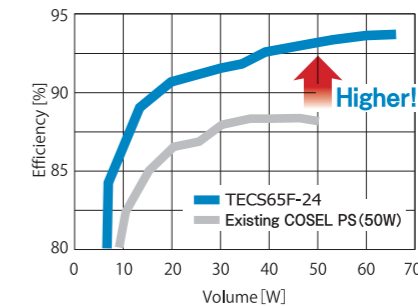
Volume Comparison between TE series and Competitors' equivalent PSs (connector type)



Volume Ratio: Max. **1/2**

#### High Efficiency

Efficiency Comparison (at 230VAC)



**3-5% Higher**  
Achieved Higher Efficiency by using GaN HEMT

**Low Standby Power Consumption**  
**0.2W** (Typ.) (at 230VAC)

Contributes to decrease Heat in Application by its High Efficiency

### Interface

## 2 Types of Interface

Pin Type Connector Type

Compatible between 45 / 65W  
The Mounting Dimensions are the Same.

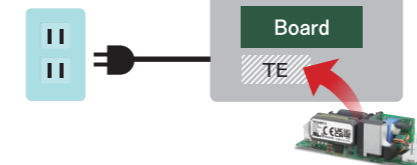
Multi-Connections in various applications by 2 Types of Interface.

### Class II

## Suitable for Handy Type Applications

#### No Need of FG Connection

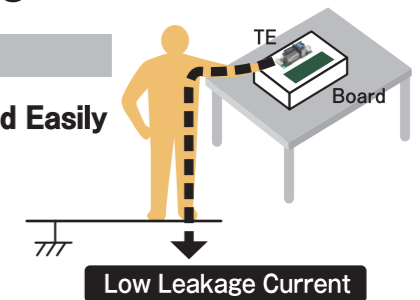
Achieves "Low Noise" without FG Connection  
Meets FCC Class B Handy Type Application



#### Low Leakage Current

### Meets Safety Standard Easily

Due to highly decreased leakage current from primary to secondary side, one can add another power supply or EMI Filter if necessary.



### Equipment in Building



- Equipment for Smart Office
- Security Equipment
- General Industry Equipment
- Payment Terminals
- Related Equipment in Building

### Consumer Equipment



- Equipment for Smart Home
- Security Equipment
- Measurement Equipment
- Office Automation Equipment
- Various Compact Control Terminals