



Compact Size AC-DC Power Supply

TECS10F



TEPS10F



TECS20F



TEPS20F



TECS45F



TEPS45F



TECS65F



TEPS65F



10/20/45/65W

NEW

TECS/TEPS

series

TECS/TEPS series

The Highest Power Density

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

2 Types of I/F · Compatible Installation

TECS series (Connector Type)

TEPS series (Pin Type)



10W

Same Case Size and
Compatible Installation

20W

45W

Same Case Size and
Compatible Installation

65W



Compact / High Efficiency

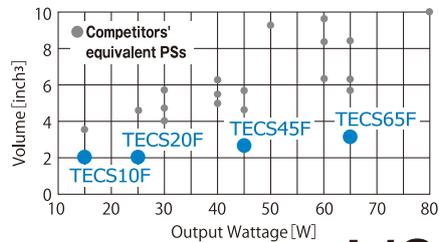
Compact, High Power and High Density Power Supply

TE series uses Wide Band Gap Semi-conductor (GaN HEMT), Active Clump FlyBack Circuit (65W) and High Frequency PCB Transformer (45/65W). The TE series can achieve High Efficiency by those technologies and is suitable for Various Applications.

Can save space in application

Compact

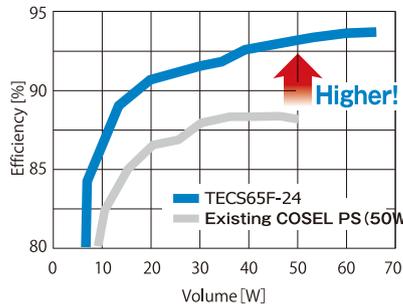
Volume Comparison between TE series and Competitors' equivalent PSs (connector type)



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

High Efficiency

Efficiency Comparison (at 230VACin)



3-5% Higher

Achieved Higher Efficiency by using GaN HEMT

Low Standby Power Consumption

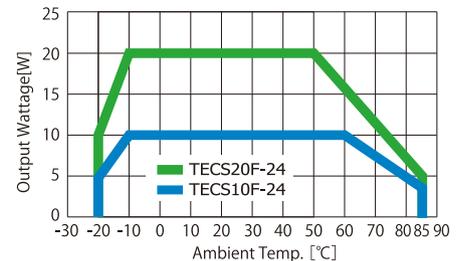
0.2W (Typ.) (at 230VACin)

Contributes to decrease Heat in Application by its High Efficiency

Wide Operating Ambient Temperature Range

Suitable for Harsh Environment

Operating Temp. Range : **-20 to 85°C (10/20W)**

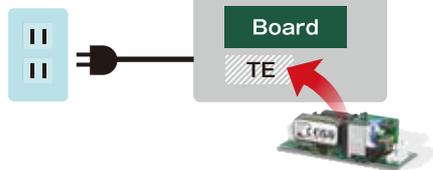


Class II

Suitable for Handy Type Applications

No Need of FG Connection

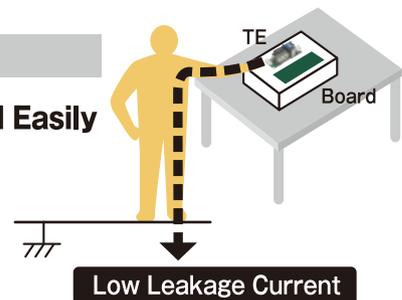
Achieves "Low Noise" without FG Connection Meets FCC Class B Handy Type Application



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.



Commercial Equipment



- Smart Office Equipment
- Security Equipment
- General Industry Equipment
- Payment Terminal Equipment
- Related Business Equipment

Consumer Equipment



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

TECS/TEPS series

NEW



Model Name	TECS10F	TEPS10F	TECS20F	TEPS20F	TECS45F	TEPS45F	TECS65F	TEPS65F
Input Voltage	85-264VAC							
Output Voltage Output Current/ Peak Current	5V	2.0A	4.0A	8.0A	10.0A			
	12V	0.85A	1.7A	3.8A / Peak5.45A	5.45A / Peak7.5A			
	15V	0.7A	1.35A	—				
	24V	0.45A	0.85A	1.9A / Peak2.75A	2.75A / Peak3.8A			
Efficiency (100/230VACin, Io=100%) *24VDCout	90.0% / 90.0%		91.0% / 92.0%		91.5% / 92.5%		92.5% / 93.5%	
Leakage Current (240VACin, 60Hz, Io=100%)	0.10mA Max.				0.25mA Max.			
Operating Ambient Temperature	-20°C to +85°C (Derating is required.)				-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 Emissions	IEC61000-3-2 (Class A) Compliant (No PFC)							
Case Size (W×H×D) mm [inches]	25.4 x 21.1 x 58.5 [1.00 x 0.83 x 2.30]	25.4 x 21.6 x 38.1 [1.00 x 0.85 x 1.50]	25.4 x 21.1 x 58.5 [1.00 x 0.83 x 2.30]	25.4 x 21.6 x 38.1 [1.00 x 0.85 x 1.50]	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

■ Case Option -N

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



Connector Type "TECS"

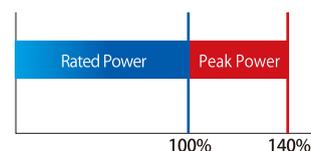


Pin Type "TEPS"

■ 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.



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