

TUNS

series

Model	TUNS50	TUNS100	TUNS300	TUNS500	TUNS700	TUNS1200
Input Voltage	85-264VAC 1 Φ					85-305VAC 1 Φ
Output Voltage Current	5V	10A	20A	—	—	—
	12V	4.2A	8.4A	25A	42A (Peak 55A)	58.4A
	24V	2.1A	4.2A	—	—	—
	28V	—	—	11A	18A (Peak 24A)	25A
	48V	—	—	6.5A	10.5A (Peak 14A)	14.6A
	65V	—	—	—	—	18.5A
Operation Temperature	-40℃- +100℃ (Output derating is required)					
Isolation	Input-Output	AC3,000V 1minute, Cutoff current=10mA, DC500V 50MΩ min (at Room Temperature and Humidity)				
Size (W×H×D) mm (Excl. External parts)	58.4×12.7×37.3 [2.30×0.50×1.47 inches]	58.4×12.7×61.0 [2.30×0.50×2.40 inches]	117.3×12.7×61.5 [4.62×0.50×2.42 inches]			117.3×12.7×86.8 [4.62×0.50×3.42 inches]

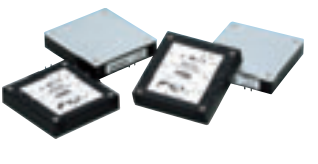
For further information on installation, please see our application manual.

COSEL Series Lineup



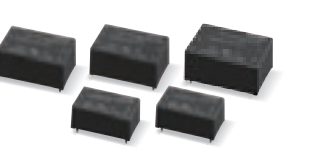
1000W

DPF series
PFC Power Module



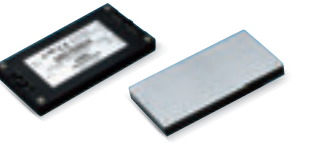
500W,750W

DPG series
PFC Power Module



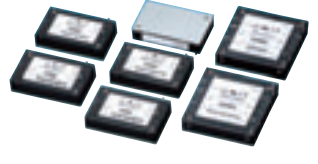
3W,5W,10W,15W,25W

TUHS series
PCB Mount Type AC-DC Converter



100W,150W,200W,400W,700W

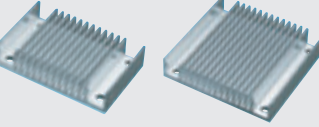
DBS series
High-voltage Input DC-DC Power Module



50W,100W,200W,250W

DHS series
High-voltage Input DC-DC Power Module

〔Optional〕
Heat sinks for
1/2 brick and 1/4 brick sizes
are available.



COSEL

AC-DC
Power Module
with PFC



50/100/300/500/700/1200W

NEW

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TUNS
series

AC-DC Power Module with PFC New 1200W released!

Multiple functions · High efficiency · High power



NEW

TUNS1200

[Feature]

- ▷ Unique Size
- ▷ Overcurrent, overvoltage and thermal protection
- ▷ Adjustable output voltage range: $\pm 20\%$
- ▷ PG (power good) function
- ▷ Remote ON/OFF
- ▷ Auxiliary output for Remote ON/OFF
- ▷ Remote sensing
- ▷ 5-year Warranty



Digitally Assisted Control
by Micro-computer

Wide input

TUNS1200

Suitable for 277VAC input applications

Wide input voltage range

85-305VAC

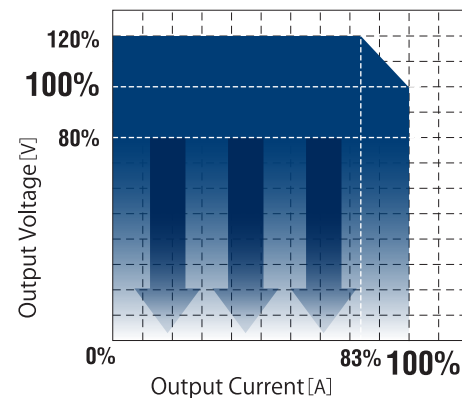


CVCC control

TUNS1200

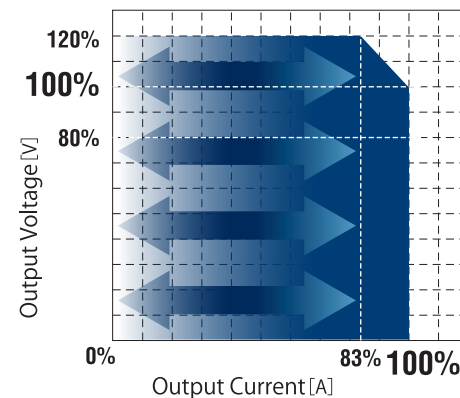
Output voltage is adjustable down to almost 0V.

Constant voltage control (CV)



Constant current mode is available.

Constant current control (CC)

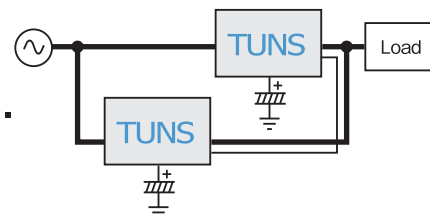


Parallel operation

TUNS1200

Parallel operation is available up to 9 units.

*CVCC control is available.



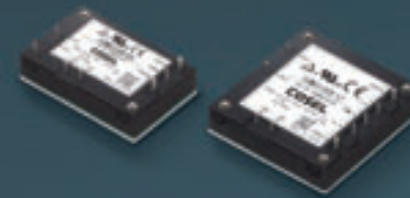
**9UNITS
MAX.**

Safety standards

TUNS1200

UL62368-1, c-UL (CSA62368-1), EN62368-1
ANSI/AAMI ES60601-1, EN60601-1 3rd (2MOOP)

Basic functionality · Compact size



TUNS50/100

[Feature]

- ▷ Industrial standard brick size
(TUNS50: 1/4 brick TUNS100: 1/2 brick)
- ▷ Overcurrent, overvoltage and thermal protection
- ▷ Adjustable output voltage range: $\pm 10\%$
- ▷ Remote sensing (TUNS100)
- ▷ 5-year Warranty

High efficiency · High power



TUNS300/500/700

[Feature]

- ▷ Industrial standard full brick size
- ▷ Overcurrent, overvoltage and thermal protection
- ▷ Adjustable output voltage range: $\pm 20\%$
- ▷ IOG alarm function
- ▷ Remote ON/OFF (Option)
- ▷ Remote sensing
- ▷ 5-year Warranty



Digitally Assisted Control
by Micro-computer

Peak wattage

TUNS500

Up to 130% peak current is available.

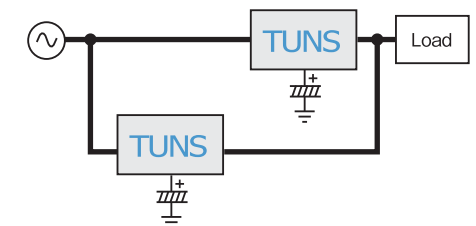
Suitable for applications with a large start-up inrush current.



Parallel operation (Droop control)

TUNS700
(Option: -P)

Parallel operation is possible for high power systems.



* -P option can't adjust output voltage.