

■ Product Outlines

TUNS series						
Model		TUNS50	TUNS100	TUNS300	TUNS500	TUNS700
Input Voltage		AC85-264V 50/60Hz				
Output Voltage	5V	10A	20A	—	—	—
	12V	4.2A	8.4A	25A	42A (Peak55A)	58.4A
Current	24V	2.1A	4.2A	—	—	—
	28V	—	—	11A	18A (Peak24A)	25A
	48V	—	—	6.5A	10.5A (Peak14A)	14.6A
Operation Temperature		-40°C- +100°C (Output derating is required)				
Isolation	Input-Output	AC3,000V 1minute, Cutoff current=10mA, DC500V 50MΩ min (at Room Temperature)				
Case Size (W×H×D) mm		58.4×12.7×37.3 [2.3×0.5×1.47 inches]	58.4×12.7×61.0 [2.3×0.5×2.4 inches]	117.3×12.7×61.5 [4.62×0.5×2.42 inches]		

for further information for installing, please see our application manual (URL : www.cosel.co.jp/en/data/sub01-2.html) .

■ COSEL Series Lineup



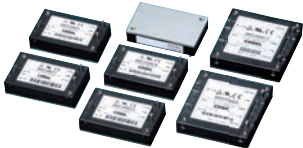
3W,5W,10W,15W,25W

TUHS series
PCB Mount Type AC-DC Converter



500W,750W

DPG series
PFC Power Module



50W,100W,200W,250W

DHS series
High-voltage Input DC-DC Power Module



1000W

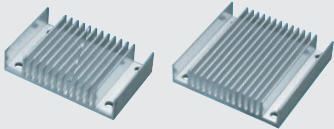
DPF series
PFC Power Module



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

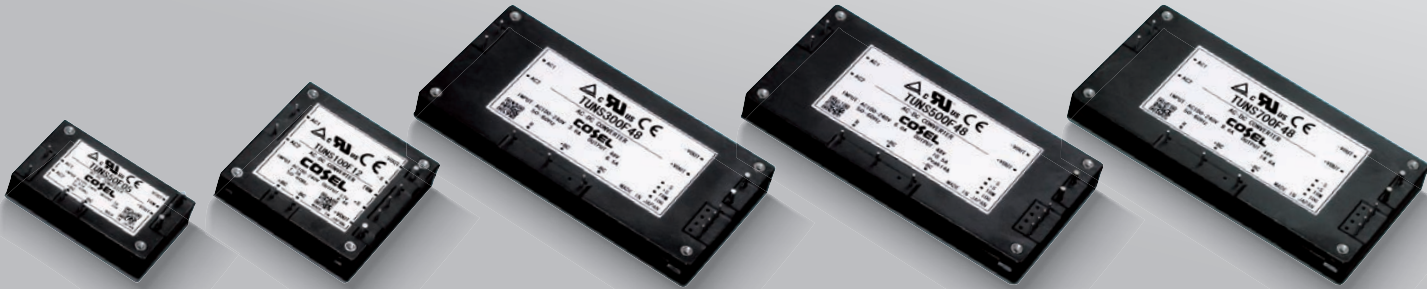
DBS series
High-voltage Input DC-DC Power Module

[Optional]
Heat sinks for
1/2 brick and 1/4 brick sizes
are available.



COSEL

AC-DC
Power Module
with PFC



50/100/300/500/700W

NEW

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TUNS
series

TUNS series

Industrial Leading AC-DC Power Module with PFC

TUNS 50/100

50W 1/4 Brick size 100W 1/2 Brick size

Basic functionality, compact size

[Features]

- ▷ Industrial standard brick design (TUNS50 : 1/4 brick; TUNS100 : 1/2 brick)
- ▷ Built-in overcurrent, overvoltage and thermal protection
- ▷ Adjustable output voltage range : $\pm 10\%$
- ▷ Remote sensing (TUNS100)
- ▷ 5-year warranty

TUNS 300/500

Full Brick size

High efficiency, high power

[Features]

- ▷ Industrial standard full brick design
- ▷ Built-in overcurrent, overvoltage and thermal protection
- ▷ Adjustable output voltage range : $\pm 20\%$
- ▷ IOG alarm function
- ▷ Remote sensing
- ▷ Peak current output (TUNS500)
- ▷ Remote ON/OFF (Option : -R1/-R2)
- ▷ 5-year warranty



Digitally Assisted Control
by Micro-computer

TUNS 700 NEW

Full Brick size

*Multiple functions,
high efficiency and high power*

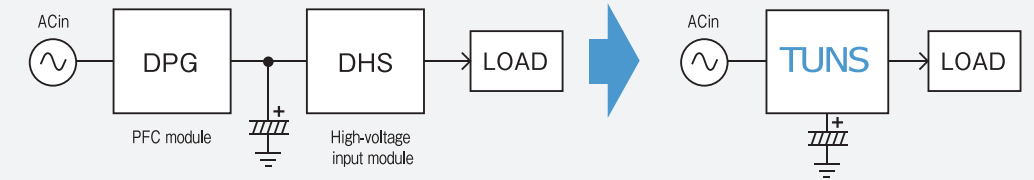
[Features]

- ▷ Industrial standard full brick design
- ▷ Built-in overcurrent, overvoltage and thermal protection
- ▷ IOG alarm function
- ▷ Adjustable output voltage range : $\pm 20\%$
- ▷ Remote sensing
- ▷ Parallel operation possible (Option : -P)
- ▷ Remote ON/OFF (Option : -R1/-R2)
- ▷ 5-year warranty



Digitally Assisted Control
by Micro-computer

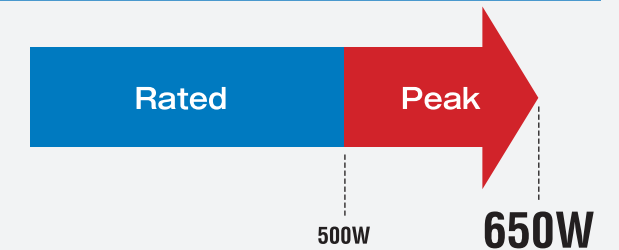
Smaller footprint and save space.



TUNS series have PFC and High-voltage input module functions both.

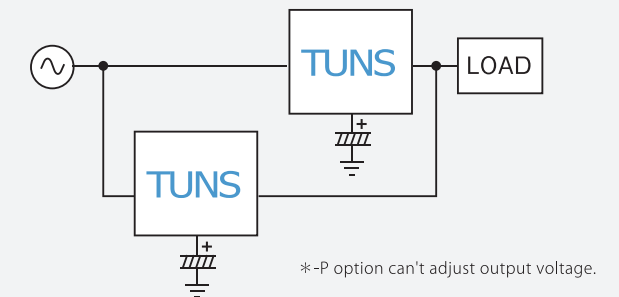
Peak current output TUNS500

Up to 130% peak current is possible.
Available for applications with a
large inrush current to start up.



Parallel operation (Droop control) TUNS700 (Option:-P)

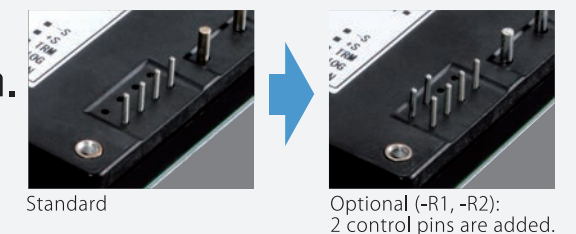
Parallel operation is possible.
Suitable for high power system.



Remote ON/OFF control TUNS300/TUNS500/TUNS700 (Option:-R1/-R2)

Remote ON/OFF is available.
Can contribute to low standby power operation.

- R1 : Nomal remote ON/OFF
- R2 : Low standby power (PFC:Stop)



Value-added Type [Power Module Type]

TUNS + External circuits = SNTUNS

Reducing cost and time for design.

TUNS50F → SNTUNS50F
TUNS100F → SNTUNS100F

