



AC-DC Power Module with PFC



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

TUNS

series

AC-DC Power Module with PFC

N

Multiple functions · High efficiency · High power

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

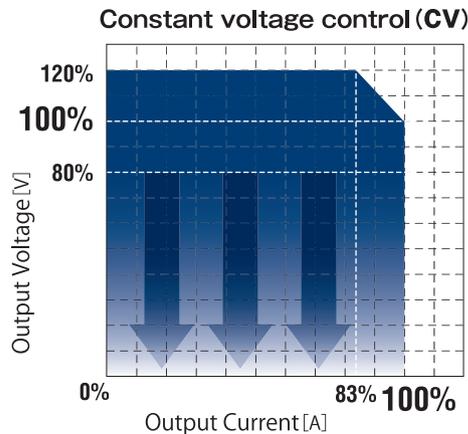
85-305VAC



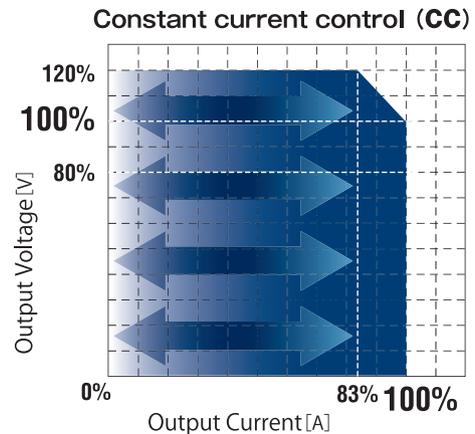
CVCC control

TUNS1200

Output voltage is adjustable down to almost 0V.



Constant current mode is available.

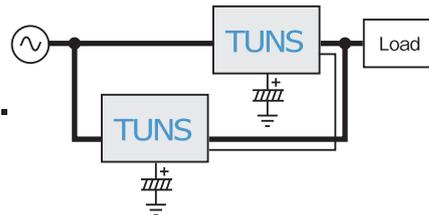


Parallel operation

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)

New 1200W released!

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



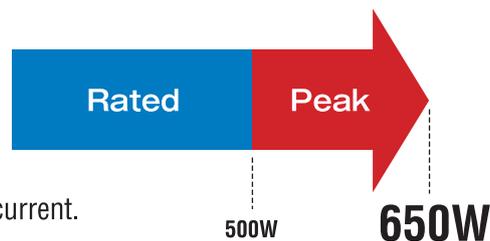
Digitally Assisted Control
by Micro-computer

Peak wattage

TUNS500

Up to 130% peak current is available.

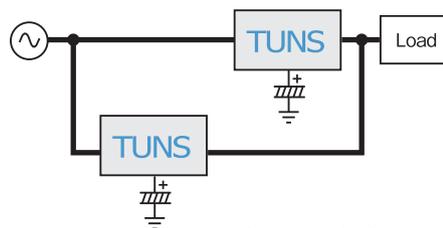
Suitable for applications with a large start-up inrush current.



Parallel operation (Droop control)

TUNS700
(Option: -P)

Parallel operation is possible for high power systems.



* -P option can't adjust output voltage.

TUNS series



Model		TUNS50	TUNS100	TUNS300	TUNS500	TUNS700	TUNS1200	
Input Voltage		85-264VAC 1Φ					85-305VAC 1Φ	
Output Voltage Current	5V	10A	20A	—	—	—	—	
	12V	4.2A	8.4A	25A	42A (Peak 55A)	58.4A	84A	
	24V	2.1A	4.2A	—	—	—	—	
	28V	—	—	11A	18A (Peak 24A)	25A	43A	
	48V	—	—	6.5A	10.5A (Peak 14A)	14.6A	25A	
	65V	—	—	—	—	—	18.5A	
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 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

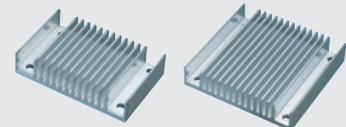


50W,100W,200W,250W

DHS series
High-voltage Input DC-DC Power Module

{Optional}

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



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