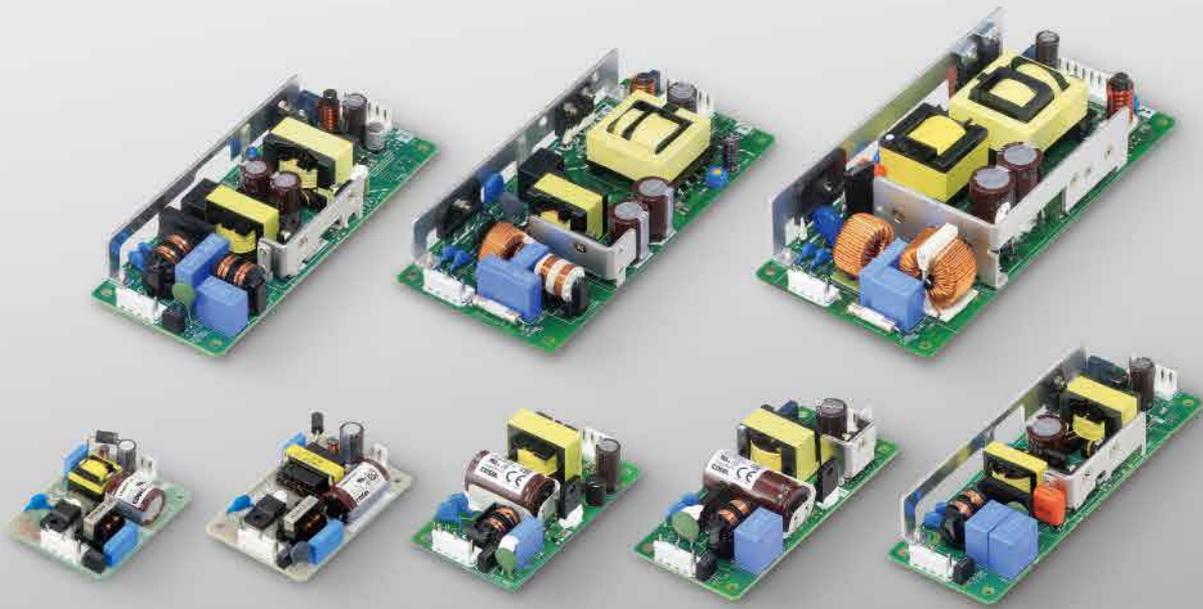




AC-DC Power Supply

Compact • High Efficiency • Low Profile
Open Frame type AC-DC Power Supply



10/15/30/50/75/100/150/300W

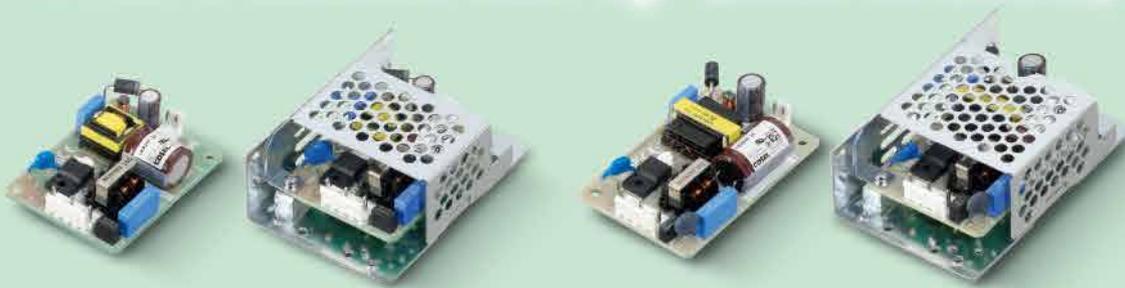
NEW

LHA

series

New LHA10F/LHA15F Released!

Total 8 models line-up (10W to 300W)



Compact·Low Profile, High Efficiency and Low Noise
"Wide Operating Temp." and "Low Leakage Current" as new features!

High Efficiency

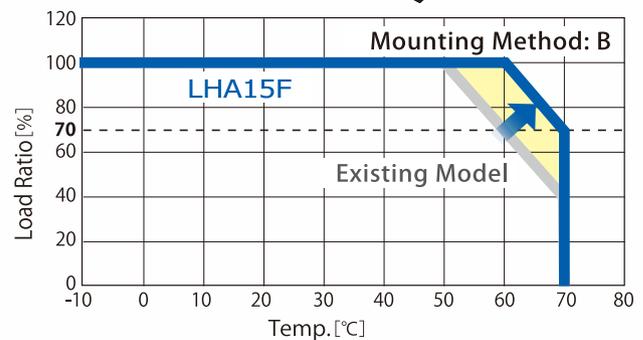
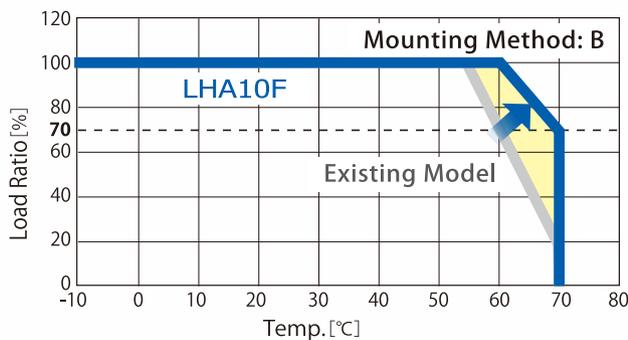
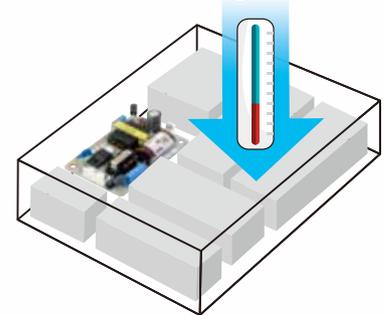
Higher efficiency reduces heat generation in applications

Comparison to the existing model

Efficiency

Max. 4% Improved

Wide Operating Temp. : 100% Load Ratio at **60°C**
 70% Load Ratio at **70°C**



Low Leakage Current

Suitable for low leakage current requirement

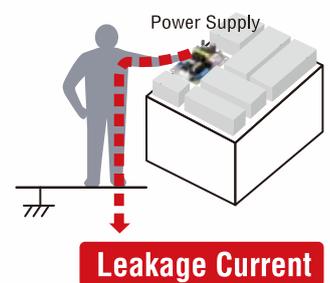
Comparison to the existing model

Leakage Current

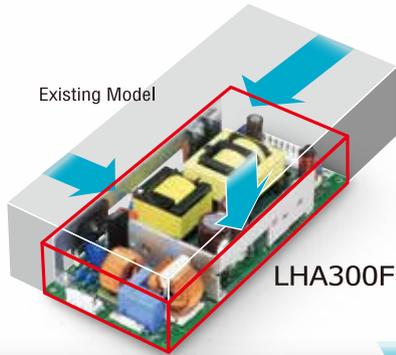
Approx. 50% Decreased

Standard model has low leakage current function.

Existing Model **0.3mA** (240VAC, 60Hz) → LHA10F **0.15mA (50% Decreased)**
 LHA15F **0.10mA (66% Decreased)**



Compact·Low Profile



Comparison to the existing model

Volume Ratio

Max. 50% Smaller

Compact Design for easier installation
in narrow space

Height : LHA10/15F.....**21.5mm**
LHA30/50/75/100/150F...**27.0mm**



LHA10F

LHA15F

21.5mm



LHA30F

LHA50F

LHA75F

LHA100F

LHA150F

27mm

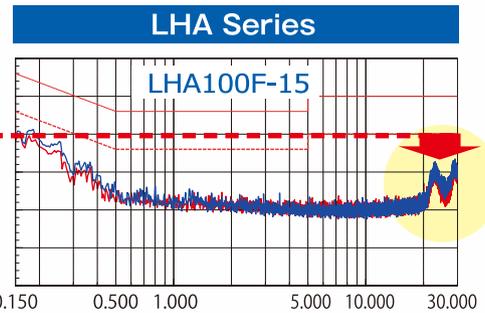
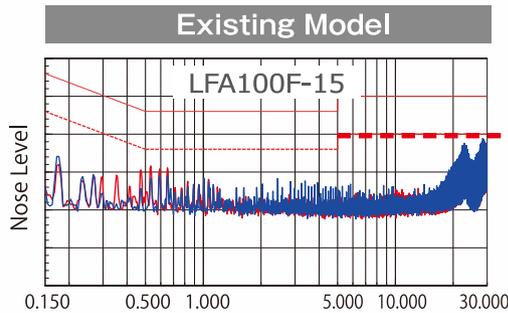


Low Noise

Using a resonant topology design the LHA series has lower Noise than existing models

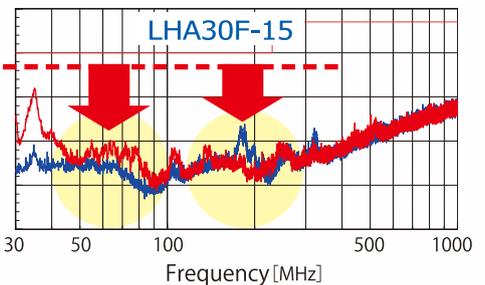
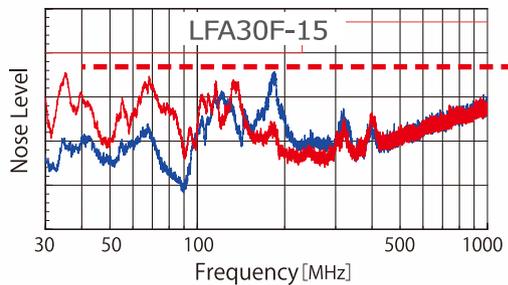
**Conducted Noise
100W Model**

— N-line
— L-line



**Radiated Emission
30W Model**

— Vertical
— Horizontal



Safety Standards

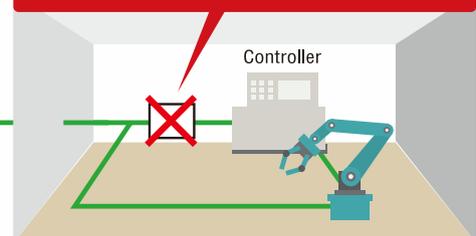
In addition to ITE (UL62368-1, EN62368-1),

Meets EN62477-1 (OVCⅢ)

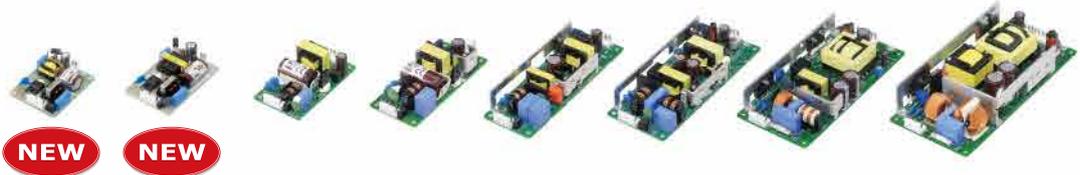
(LHA150F, LHA300F)

Suitable for Industrial Applications

No need for isolation transformer



LHA series



Model	LHA10F	LHA15F	LHA30F	LHA50F	LHA75F	LHA100F	LHA150F	LHA300F	Remarks
Input Voltage	85-264VAC 1 ϕ , 50/60Hz (Output power derating is required at 90VAC or less)								
Output Wattage	10W	15W	30W	50W	75W	100W	150W	300W	
Efficiency (230VACin, Io=100%)	84.5%	84.5%	90.0%	89.0%	88.0%	88.5%	92.0%	93.5%	24VDC out
Output Voltage	3.3V	●	●	●	●	●	—	—	—
	5V	●	●	●	●	●	—	—	—
	12V	●	●	●	●	●	●	●	●
	15V	●	●	●	●	●	●	—	—
	24V	●	●	●	●	●	●	●	●
	36V	—	—	—	●	●	●	●	—
48V	—	—	—	●	●	●	●	●	
Case Size (W×H×D) mm [Inches]	50×21.5×62.5 [1.97×0.85×2.46]	50×21.5×73.5 [1.97×0.85×2.89]	50×27×87.5 [1.97×1.07×3.44]	50×27×112 [1.97×1.07×4.41]	50×27×150 [1.97×1.07×5.91]	62×27×155 [2.44×1.07×6.10]	75×27×160 [2.95×1.07×6.30]	84×37×180 [3.31×1.46×7.09]	
Safety Standards	UL62368-1, C-UL (equivalent to CAN/CSA-C22.2 No. 62368-1), EN62368-1 Approved. Complies with DEN-AN.								
	—						EN62477-1 (OVCIII)		
Conducted Noise	Complies with FCC-B, VCCI-B, CISPR11-B, CISPR32-B, EN55011-B, EN55032-B.								
Operating Ambient Temperature	-10°C - +70°C (Derating is required)								
EMC Immunity	Complies with IEC61000-3-2 (Class A)								
Cooling Method	Convection Cooling/ Forced Air Cooling								

Various Option Line-Up

Code	Function	LHA10F	LHA15F	LHA30F	LHA50F	LHA75F	LHA100F	LHA150F	LHA300F	Remarks
C	Conformal coating	●	●	●	●	●	●	●	●	
G	Low leakage current	※1	※1	●	●	●	●	●	●	
J4	With EP (Tyco) connector	●	●	●	●	●	●	●	●	
J5	With 8-pin connector	—	—	—	—	—	—	—	●	
R2	Remote on/off control	—	—	—	—	—	●	●	●	
S	With chassis	●	●	●	●	●	●	●	●	
SN	With chassis and cover	●	●	●	●	●	●	●	●	
T	With terminal block	—	—	—	—	—	—	—	●	
T4	With push-in type terminal block	—	—	—	—	—	—	—	●	
U1	With extended hold-time unit	—	—	—	—	—	—	●	●	
Y	With potentiometer	●	●	●	●	●	●	●	※2	

※1 LHA10/15F: Standard model has low leakage current function.

※2 LHA300F: Standard model has a built-in potentiometer.

Head Office COSEL CO., LTD.

1-6-43 Kamiakae-machi, Toyama 930-0816, Japan

Phone +81-76-432-8152

E-mail sales@cosel.co.jp

URL https://www.cosel.com/en/

Worldwide Sales/Support Network

[AMERICA]

COSEL U.S.A., INC.

Phone +408-980-5144

E-mail sales@coselusa.com

URL https://coselusa.com

《Engineering and Technical Support》

E-mail techsupport@coselusa.com

[EUROPE]

COSEL EUROPE GmbH

Phone +49-69-95 00 79-0

E-mail sales@coseseurope.eu

URL https://www.coseseurope.eu

《Engineering and Technical Support》

E-mail techsupport@coseseurope.eu

[ASIA]

COSEL ASIA LTD.

Phone +852-2305-2712

E-mail sales@coselasia.com

URL https://www.coselasia.com

COSEL (SHANGHAI) ELECTRONICS CO., LTD.

Phone +86-21-6440-0381

E-mail sales@coselasia.cn

URL https://www.coselasia.cn