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**RoHS**  
Compliant

Rugged PCB Type  
AC-DC converter

**LFA series**

Rugged PCB type AC-DC Switching Power Supply

5 Year warranty

**COSEL**

[www.cosel.co.jp/en](http://www.cosel.co.jp/en)



**COSEL**

## Rugged PCB type



Power  
Factor  
Correction



World wide



Cost  
Effective



Rugged  
PCB type



Safety  
Approvals



EMI



Inrush  
current  
limiting



OCP



OVP

COSEL

# LFA-series



## Feature

- Small and compact PCB construction
- Built-in inrush current, overcurrent and overvoltage protection circuits
- Harmonic attenuator (Complies with IEC61000-3-2)
- Universal input (AC85-264V)
- Power factor correction (LFA50F, 75F)
- Built-in reducing standby power circuit (LFA10F, 15F)

## Safety agency approvals

- UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178
- Complies with DEN-AN

## EMI

- Complies with FCC-B, CISPR22-B, EN55011-B, EN55022-B, VCCI-B

## 5-year warranty (refer to Instruction Manual)

## CE marking

- LVD and EMC directive

## EMC Compliance : EN61204-3, EN61000-6-2

- EN61000-4-2
- EN61000-4-3
- EN61000-4-4
- EN61000-4-5
- EN61000-4-6
- EN61000-4-8
- EN61000-4-11



# LFA series **10-75W**

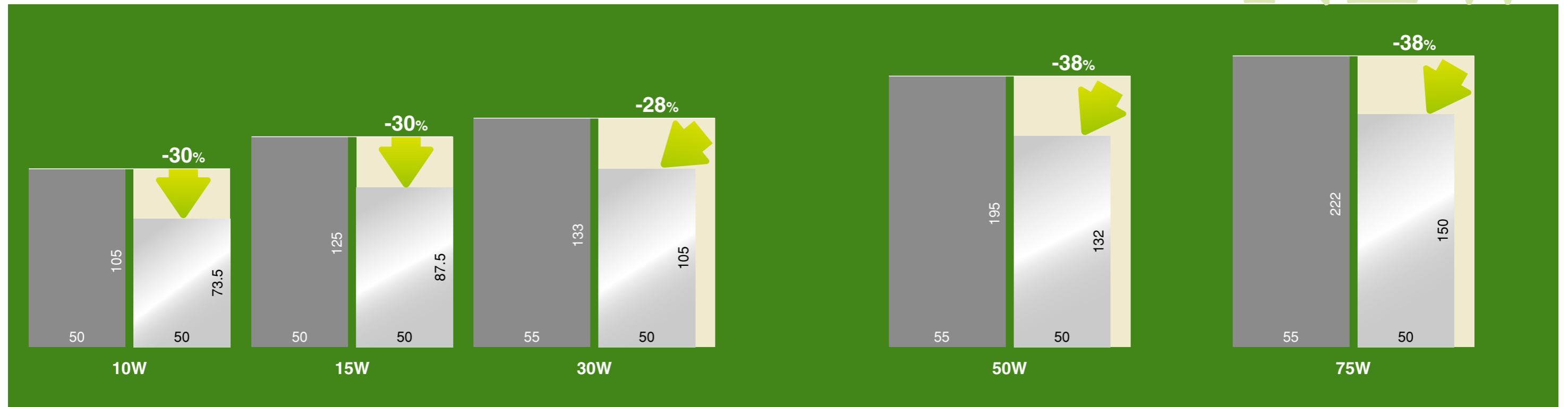
Small • Light weight • Universal input Rugged PCB type  
AC-DC switching Power supply

Providing a new Standard universal input and  
Rugged PCB Power supply

NEW

## ■ Footprint downsizing

Footprint size down 28%-38% from existing LDA/LEA series.  
The width dimension standardized at 50mm and the depth dimension is down approx. 30%.



Unit: [mm]

## ■ Environmentally sensitive

Harmonic attenuator (All models comply with IEC61000-3-2)  
New design circuitry decreases power consumption during stand-by periods (10/15W)  
Built in Power factor correction circuitry for decreased AC input capacity (50/75w)

## ■ Compatible with LGA series for mounting

Size dimensions compatible with LGA series, AC100V Rugged PCB type P.S. (50/75W)  
LFA & LGA Series same footprint. Contributes to standardization of your mechanical design

## ■ Safety standard approved

UL, C-UL and TUV approved(※1). CE Mark(※2) complied.  
Decreases your time and money in applying for safety standard approvals.

※1:UL:UL60950-1, C-UL(CSA60950-1), TUV:EN60950-1, EN50178 (Pending)  
※2:LVD and EMC directive

## ■ Various options provided

- C : Conformal coating
- G : Low leakage current
- J1 : VH Connector (Manuf. J.S.T)
- S : With Chassis
- SN : With Chassis and Cover
- Y : Output voltage adjusting Potentiometer

