



NEW

PLA300F/600F Series

**Economical AC-DC Switching Power Supplies
"PLA300F/600F Series" Launched by COSEL**

1. Outline

COSEL introduces a new economical enclosed type AC-DC switching power supply, the PLA series. This series has the same reliability as our existing hi-end model, however, the cost effectiveness would also be huge for many industrial, LED sign, automation and test & measurement applications. The PLA series has been designed with streamlined functions and smart circuits as basic concept. As for reliability, all electrolytic capacitors have 105degC rating, and built-in fan lifetime is 50,000H at 60degC. Therefore, the power supply's lifetime will be long enough (Warranty: 3years). Depending on usage, lifetime is possible to exceed 10 years or more. As for other features, the external size is very smart because the profile is very low; PLA300F is 41mm (1.61inch), so it can be mounted in 1U height rack (PLA600F: 61mm). Also we offer some semi-standard models in the PLA series. Conformal coating for outside usage, low leakage current for medical equipment, input voltage dip withstand for semiconductor manufacturing are available. The line-up is very useful in various markets and applications. The new PLA series offers good cost effectiveness and high reliability for your system. For more detailed information please check our website or contact us.

2. Features

- * **Economical Power Solution**
- * **Low Profile**
 PLA300F: 41mm, 1.61inch
 PLA600F: 61mm, 2.40inch
- * **Wide Operating Temperature Range**
 -20°C to +70°C (Required output derating)
- * **3 years Warranty**
- * **Worldwide safety agency approvals**
- * **Built in Power Factor Correction**
- * **RoHS compliant**

3. Specification

No	Term	PLA300F	PLA600F
1	Input Voltage [V]	AC85~264V (Requires output derating)	
2	Rated Output Power [W]	250 ~ 300	500 ~ 600
3	Output Voltage Lineup [V]	5, 12, 15, 24, 36, 48	
4	Safety Approvals	UL60950-1, C-UL, EN60950-1, EN50178	
5	Operation Temperature [degC]	-20 ~ +70 (Requires output derating)	
6	Dimension WxHxD in mm	102x41x190	120x61x215
	Dimension WxHxD in inches	4.02x1.61x7.48	4.72x2.40x8.46

4. Contact Information

COSEL CO., LTD.	1-6-43 Kamiakae-machi, Toyama 930-0816, Japan Phone: +81-764-32-8152 e-mail: kaigai@cosel.co.jp
COSEL U.S.A., INC.	1546 Montague Expressway, San Jose, CA95131 U.S.A. Phone: +1-408-980-5144 e-mail : sales@coselusa.com
COSEL ASIA LTD.	Rm. 601, 9 Chong Yip Street, Kwun Tong, Kowloon, Hong Kong Phone: +852-2305-2712 e-mail : sales@coselasia.com
COSEL (SHANGHAI) ELECTRONICS CO. LTD.	Room 3F2, Zhao Feng Universe Building, 1800 Zhong Shan West Road, Shanghai, P.R.China Phone: +86-21-6440-0381 e-mail : sales@coselasia.com
COSEL EUROPE GMBH	Berner Straße 51, 60437 Frankfurt am Main, Germany Phone: +49-69-95-0079-0 e-mail : sales@coseseurope.eu