

RoHS
Compliant

COSEL

www.cosel.co.jp/en

NEW

**Enclosed Type AC-DC
Switching Power Supply**

PLA SERIES

300/600 Watt

ECONOMICAL POWER SOLUTION



Power
Factor
Correction



World wide



Safety
Approvals



EMI



Inrush
current
limiting



OCP



OVP

Single Output Power Supplies

3 years warranty

The Economical Power Solution

COSEL Provides a Streamlined and Economical Power series, which satisfies Worldwide Requirements.

* **Single output general purpose power supplies**

* **Wide temperature range**

-20 to +70°C (required output derating)

* **Safety agency approvals**

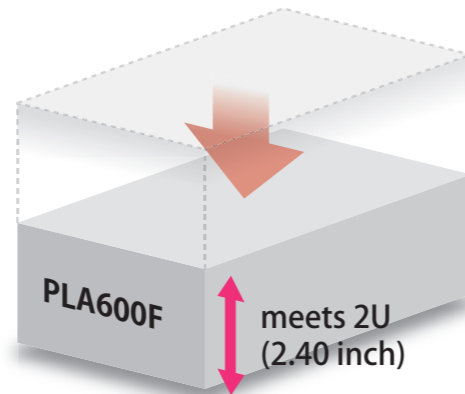
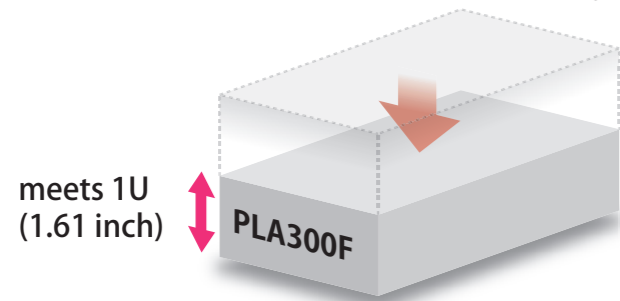
*UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178

*Complies with DEN-AN

Low Profile

PLA300F : 41mm, 1.61 inch (meets 1U height)

PLA600F : 61mm, 2.40 inch (meets 2U height)



Environmentally Friendly

RoHS Compliant

Harmonic Attenuator (IEC61000-3-2)

Built In Power Factor Correction with lower input current .



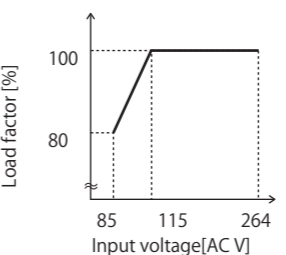
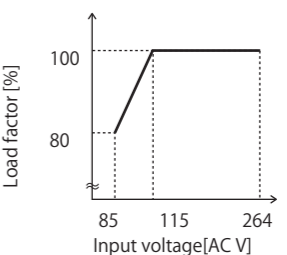
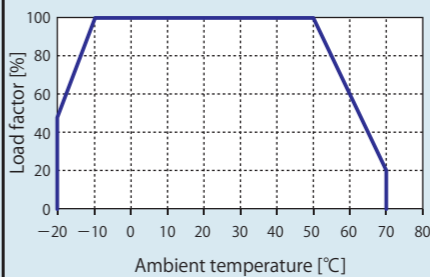
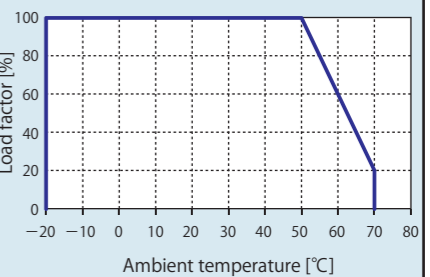
Multiple Useful Options Available

Responding to our customers requests

Code	Function	300F	600F
C	Conformal coating	✓	✓
W	Remote on/off, remote sensing parallel operation and alarm <small>*1</small>	— (N/A)	✓
G	Low leakage current	✓	✓
U	Input voltage dip (semi F-47)	✓	✓
V	External potentiometer for output voltage adjustment	✓	✓

* 1. When remote on/off control is not used, please choose W1 option which does not include the function.

Product Lineup

	PLA300F	PLA600F
MODEL	 *2	 *2
INPUT VOLTAGE	AC 85 - 264V (Required Derating) 50/60Hz	
		
HARMONIC ATTENUATOR	Complies with IEC61000-3-2	
POWER FACTOR (Io=100%)	ACIN 115V: 0.98 ACIN 230V: 0.95	0.98 0.95
OUTPUT VOLTAGE/CURRENT	5V: 50A 12V: 25A 15V: 20A 24V: 12.5A 36V: 8.4A 48V: 6.3A	100A 50A 40A 25A 16.7A 12.5A
LEAKAGE CURRENT (ACIN 240V, 60Hz, Io=100%)	0.75mA max	1.5mA max
OPERATING TEMP	-20 to +70°C (Required Derating)	
		
ISOLATION	INPUT - OUTPUT: AC3,000V 1minute, Cutoff current= 10mA, DC500V 50MΩ min(At Room Temperature) INPUT - FG: AC2,000V 1minute, Cutoff current= 10mA, DC500V 50MΩ min(At Room Temperature) OUTPUT - FG: AC 500V 1minute, Cutoff current=100mA, DC500V 50MΩ min(At Room Temperature)	
AGENCY APPROVALS	UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178 (under application)	
CONDUCTED NOISE	Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B	
CASE SIZE (excluding terminal block and screw)	102(W) × 41(H) × 190(D) mm 4.02(W) × 1.61(H) × 7.48(D) inches	120(W) × 61(H) × 215(D) mm 4.72(W) × 2.40(H) × 8.46(D) inches

* 2. The actual products may look different. * Please check our website (www.cosel.co.jp/en) for the latest information.