

**RoHS**  
Compliant

# COSEL

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

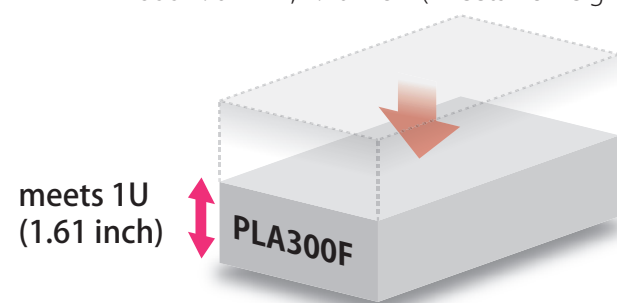
\*UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178

\*Complies with DEN-AN

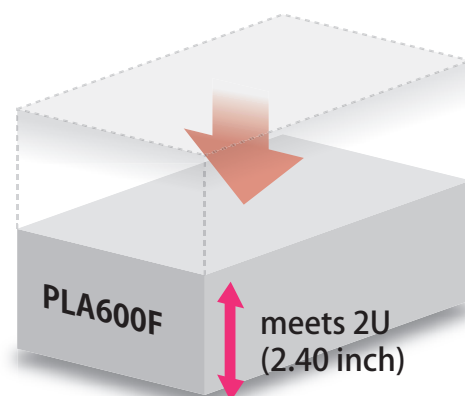
## Low Profile

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

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



meets 1U  
(1.61 inch)



meets 2U  
(2.40 inch)

## Environmentally Friendly

RoHS Compliant

Harmonic Attenuator (IEC61000-3-2)

Built In Power Factor Correction with lower input current .

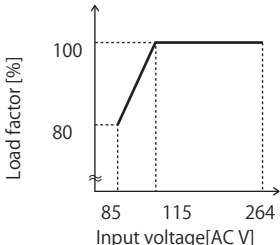
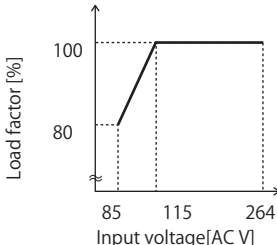
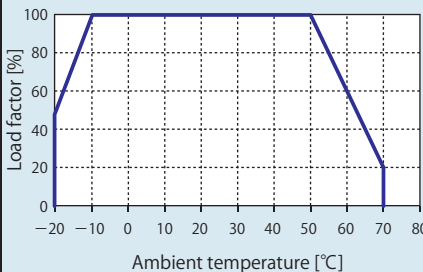
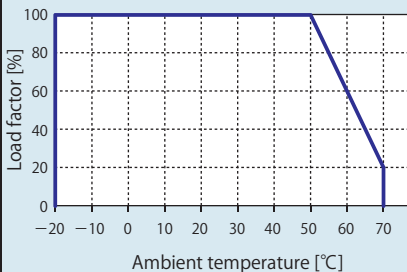
## Multiple Useful Options Available

Responding to our customers requests

| Code | Function                                                   | 300F       | 600F |
|------|------------------------------------------------------------|------------|------|
| C    | Conformal coating                                          | ✓          | ✓    |
| W    | Remote on/off, remote sensing parallel operation and alarm | —<br>(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                                                                                    | *                                                                                     |
|                                                   |                | AC 85 - 264V (Required Derating) 50/60Hz                                              |                                                                                       |
| INPUT VOLTAGE                                     |                |    |    |
| HARMONIC ATTENUATOR                               |                | Complies with IEC61000-3-2                                                            |                                                                                       |
| POWER FACTOR<br>(Io=100%)                         | ACIN 115V      | 0.98                                                                                  | 0.98                                                                                  |
|                                                   | ACIN 230V      | 0.95                                                                                  | 0.95                                                                                  |
| OUTPUT<br>VOLTAGE/<br>CURRENT                     | 5V             | 50A                                                                                   | 100A                                                                                  |
|                                                   | 12V            | 25A                                                                                   | 50A                                                                                   |
|                                                   | 15V            | 20A                                                                                   | 40A                                                                                   |
|                                                   | 24V            | 12.5A                                                                                 | 25A                                                                                   |
|                                                   | 36V            | 8.4A                                                                                  | 16.7A                                                                                 |
|                                                   | 48V            | 6.3A                                                                                  | 12.5A                                                                                 |
| LEAKAGE CURRENT<br>(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<br>(excluding terminal block and screw) |                | 102(W) × 41(H) × 190(D) mm<br>4.02(W) × 1.61(H) × 7.48(D) inches                      | 120(W) × 61(H) × 215(D) mm<br>4.72(W) × 2.40(H) × 8.46(D) inches                      |

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