

The PLA series is a cost effective enclosed single output power supply with high reliability and flexible options.

5-year warranty



PLA series		NEW	NEW	NEW				
Model		PLA15F	PLA30F	PLA50F	PLA100F	PLA150F	PLA300F	PLA600F
Input Voltage		AC85-264V (Output power must be derated at AC115V or less) 50/60Hz						
Harmonic Attenuator		IEC61000-3-2 class A						
Power Factor	ACIN 115V	—	—	0.98(5v:0.97) typ	0.98typ	0.98typ	0.98typ	0.98typ
	ACIN 230V	—	—	0.87(5v:0.85) typ	0.95typ	0.95typ	0.95typ	0.95typ
Output Voltage Current	5V	3.0A	6.0A	8.0A	—	—	50.0A	100.0A
	12V	1.3A	2.5A	4.3A	8.4A	12.5A	25.0A	50.0A
	15V	1.0A	2.0A	3.5A	6.7A	10.0A	20.0A	40.0A
	24V	0.7A	1.3A	2.2A	4.3A	6.4A	12.5A	25.0A
	36V	—	—	—	2.8A	4.2A	8.4A	16.7A
	48V	—	—	—	2.1A	3.2A	6.3A	12.5A
Leakage Current (AC240V, 60Hz, Io=100%)		0.30mA max	0.65mA max	0.75mA max	0.75mA max	0.75mA max	0.75mA max	1.5mA max
Operation Ambient Temperature		-20°C - +70°C (Output power derating is required)						
Safety Agency Approvals		UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178, UL508 Complies with DEN-AN					UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN	
Conducted Noise		FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B						
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	AC500V 1minute, Cutoff current=100mA, DC500V 50MΩ min (at Room Temperature)						
Case Size (W×H×D) (Excluding terminal block and screw)		38×80×73 mm [1.50X3.15X2.87 inches]	38×80×88 mm [1.50X3.15X3.46 inches]	38×80×99 mm [1.50X3.15X3.90 inches]	41×97×109 mm [1.61X3.82X4.29 inches]	41×97×129 mm [1.61X3.82X5.08 inches]	102×41×190 mm [4.02X1.61X7.48 inches]	120×61×215 mm [4.72X2.40X8.46 inches]

[COSEL Series Lineup]

<p>GHA series (3x5 with medical approval) Compact, High Power Density</p>	<p>LFP series (Open Frame / Enclosed Type) Peak Output Power</p>	<p>KH series (DIN Rail Type) Compact, High Power Density, Full Functions, Peak Power</p>
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Single Output Power Supplies

Cost Effective Enclosed AC-DC Power Supplies with High Reliability and multiple options



15/30/50/100/150/300/600W

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PLA series

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Cost Effective Enclosed Type Single-Output AC-DC Power Supply

Long-Awaited 15/30/50W Series Newly-Added to The PLA Family

15/30/50F



[Features]

- ▷ **Three choices of interface**
Standard: Horizontal terminal block
-T: Vertical terminal block
-J: Connector type (Tyco electronics AMP)
- ▷ **Wide operating temperature range**
-20-+70°C (Output power derating is required)
- ▷ **International Safety Standards**
UL60950-1, C-UL (CSA60950-1), EN60950-1, EN501788, **UL508** Complies with DEN-AN
- ▷ **Power Factor Corrected**
- ▷ **5-year warranty**
- ▷ **Cover is Standard**

Wide Line-Up

34 models in 7 wattage series

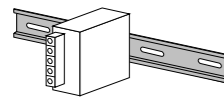


Model	PLA600F	PLA300F	PLA150F	PLA100F	PLA50F	PLA30F	PLA15F
Output Voltage Variation	5V						
	12V						
	15V						
	24V						
	36V						NEW
	48V						

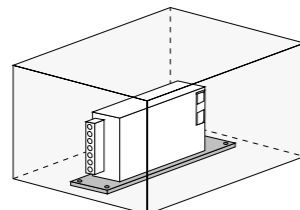
Various Optional Parts

Optional mounting attachment

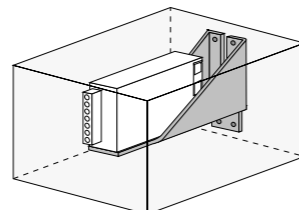
Mounting attachments make mounting easier.



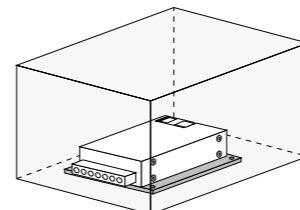
FD-PLA100/FD-PLA150
DIN Rail attachment



F-PLA100-1 (PLA100F/150F)
F-PLA300-1/F-PLA600-1
[Flat Type]
Horizontal-side mounting



F-PLA100-2 (PLA100F/150F)
F-PLA300-2/F-PLA600-2
[Pocket Type]
Vertical-side mounting



F-PLA300-3/F-PLA600-3
[Flat Type]
Horizontal-side or vertical-side mounting

※ Please contact us for optional mounting attachments for PLA15/30/50F.

PLA15/30/50F

1 Compact Design

[Depth]

- PLA15F → 73mm [2.87inches]
- PLA30F → 88mm [3.46inches]
- PLA50F → 99mm [3.90inches]



PLA50F

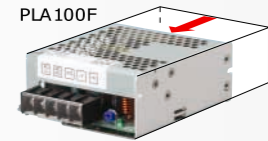
17% smaller in depth
(Compared with PBA50F)

PLA100/150F

1 Compact Design

[Depth]

- PLA100F → 109mm [4.29inches]
- PLA150F → 129mm [5.08inches]



PLA100F

25% smaller in depth
(Compared with PBA100F)

2 Low Power Consumption

Standard model → **1.5W typ** (AC240Vin, no load)
ErP-compliant model (Option -L) → **0.5W max** (AC240Vin, no load)
※ Please contact us for details on option -L.

3 High Efficiency

- PLA100F-24 → **88% typ** (AC230Vin, 100% load)
- PLA150F-24 → **90% typ** (AC230Vin, 100% load)

PLA300/600F

1 Compact Design

PLA300F → **41mm**
(meets 1U height)

PLA600F → **61mm**
(meets 2U height)



2 High Efficiency

- PLA300F-24 → **87% typ** (AC230Vin, 100% load)
- PLA600F-24 → **88% typ** (AC230Vin, 100% load)

Optional Functions You can customize your power supply with off-the-shelf features.

Code	Function	PLA15F	PLA30F	PLA50F	PLA100F	PLA150F	PLA300F	PLA600F
- C	Conformal coating	○	○	○	○	○	○	○
- J	Connector type ※2	○	○	○	○	○	-	-
- T	Vertical terminal block	○	○	○	○	○	-	-
- T2	Horizontal terminal block (without proof-to-lose)	-	-	-	-	-	○	○
- L	Lower power consumption: 0.5W max at AC240Vin	-	-	-	○	○	-	-
- R	Remote on/off control (external power source required)	-	-	-	○	○	○	○
- W	Remote sensing, parallel operation and alarm	-	-	-	-	-	-	○
- G	Low leakage current	-	-	-	-	-	○	○
- U	Lower input voltage stop (AC50V) to meet SEMI-F47	※1	※1	※1	※1	※1	○	○
- V	External potentiometer for output voltage adjustment	-	-	-	-	-	○	○
- N1	With DIN rail attachment	○	○	○	○	○	-	-
- F4	Low noise fan	-	-	-	-	-	○	○

※1 This function is standard with PLA15/30/50/100/150F if the output power is derated.

※2 Excluding UL508