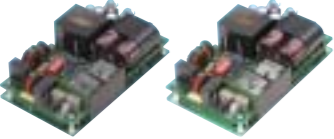




[Product Outlines]

PLA series		PLA100F	PLA150F	PLA300F	PLA600F
Model					
Input Voltage	AC85-264V (Output derating is required at ACIN 115V or less)				
Harmonic Attenuator	Complies with IEC61000-3-2 class A				
Power Factor	ACIN 115V	0.98typ (lo=100%)	0.98typ (lo=100%)	0.98typ (lo=100%)	0.98typ (lo=100%)
	ACIN 230V	0.95typ (lo=100%)	0.95typ (lo=100%)	0.95typ (lo=100%)	0.95typ (lo=100%)
Output Voltage / Current	5V	—	—	50.0A	100.0A
	12V	8.4A	12.5A	25.0A	50.0A
	15V	6.7A	10.0A	20.0A	40.0A
	24V	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, lo=100%)	0.75mA max	0.75mA max	0.75mA max	1.5mA max	
Operation Ambient Temperature	-20°C - +70°C (Output derating is required)				
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	Complies with 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)	41×97×109 mm [1.61×3.82×4.29"]	41×97×129 mm [1.61×3.82×5.08"]	102×41×190 mm [4.02×1.61×7.48"]	120×61×215 mm [4.72×2.40×8.46"]	

[COSEL series lineup]

		
GHA series (3x5 Medical type) High power density	LFP series (Open frame/Enclosed type) Peak output power	KH series (Din rail type) Compact and multifunction

COSEL

Single Output Power Supplies

ErP-compliant
*PLA100F/150F (Option -L)



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PLA series

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PLA 100/150F

[Features]

- ▷ Cover is standard
- ▷ Optional connectors
 - T : Vertical terminal block
 - J : Header connector (Tyco electronics AMP)
- ▷ Wide operating temperature range
 - 20 to +70°C (output derating required)
- ▷ Safety agency approvals
 - UL60950-1, C-UL (CSA60950-1), EN60950-1, EN501788, **UL508**
 - Complies with DEN-AN
- ▷ Power factor correction
- ▷ Long life
 - 10 years (50% load, 30°C)



PLA 300/600F

[Features]

- ▷ Wide operating temperature range
 - 20 to +70°C (output derating required)
- ▷ Fan speed lowers under no load conditions
- ▷ Safety agency approvals
 - UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178
 - Complies with DEN-AN
- ▷ Power factor correction
- ▷ Long life
 - 10 years (50% load, 30°C)



25% smaller
(Compared with PBA100F)

1 Compact Design

PLA 100F 109mm [4.29"] long
PLA 150F 129mm [5.08"] long

2 Low Power Consumption at No Load

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

3 High Efficiency

PLA 100F-24 **88% typ** (AC230Vin, 100% load)
PLA 150F-24 **90% typ** (AC230Vin, 100% load)

1 Low Profile Design

PLA 300F 41mm [1.61"] (meets 1U height) PLA 600F 61mm [2.40"] (meets 2U height)



2 High Efficiency

PLA 300F-24 **87% typ** (AC230Vin, 100% load)
PLA 600F-24 **88% typ** (AC230Vin, 100% load)

PLA
100/150
300/600
Options

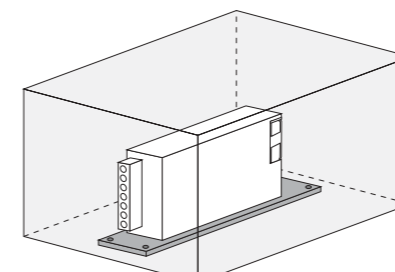
Available Options

■ Options

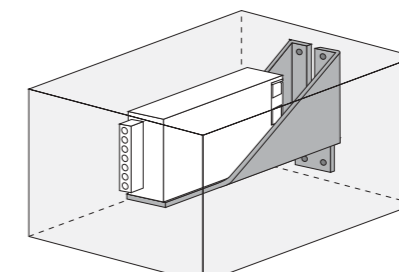
Code	Function	PLA100F	PLA150F	PLA300F	PLA600F
-C	Conformal coating	○	○	○	○
-J	Connector type ※3	○	○	—	—
-T	Vertical terminal block	○	○	—	—
-L	Lower power consumption type: 0.5W max at AC240Vin	○	○	—	—
-R	Remote on/off control (External power source is required)	○	○	※2	○
-W	Remote sensing, parallel operation and alarm	—	—	—	○
-G	Low leakage current	—	—	○	○
-U	Input voltage dip (semi F-47)	※1	※1	○	○
-V	External potentiometer for output voltage adjustment	—	—	○	○

※1 The standard model satisfies the requirement by derating the output power.
※2 Please contact us for detail.
※3 Not meet UL508.

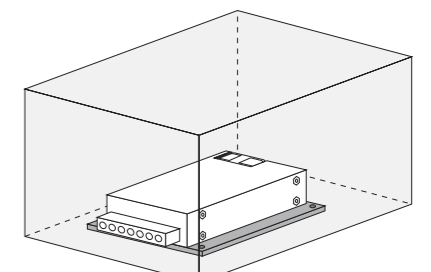
■ Optional mounting brackets



F-PLA300-1/F-PLA600-1
Horizontal mounting



F-PLA300-2/F-PLA600-2
Vertical mounting



F-PLA300-3/F-PLA600-3
Horizontal /Vertical plane Mounting

※ Please contact us about PLA100F/150F optional mounting brackets