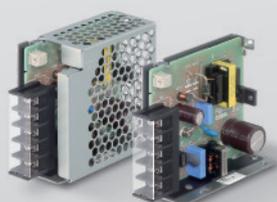


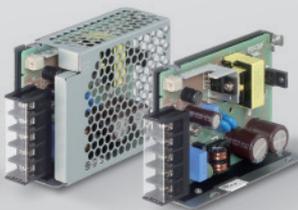


Single Output Power Supply

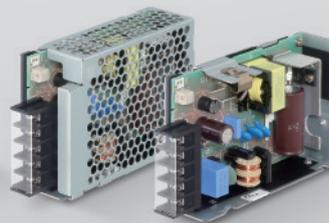
for General Purpose



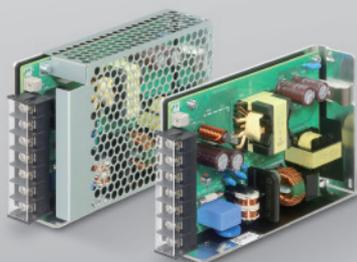
PDA15F



PDA30F



PDA50F



PDA100F



PDA150F



PDA300F



PDA600F

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

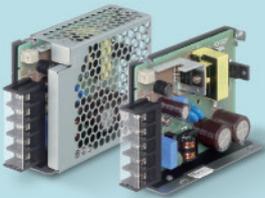
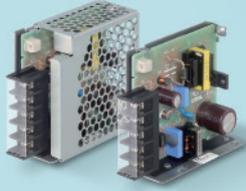
NEW

PDA

series

PDA series

The next generation to the very successful PBA series.



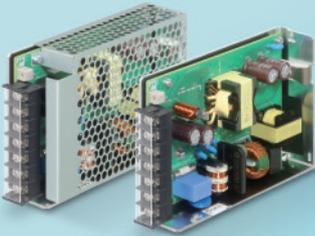
PDA15F/PDA30F/PDA50F

High Efficiency **86.5%**

(PDA30F: 5% Improved compared with COSEL's existing model)

Stand-by Wattage **1W**

(PDA30F: 65% Reduced compared with COSEL's existing model)



PDA100F/PDA150F **NEW**

High Efficiency **91.0%**

(PDA100F: 5% Improved compared with COSEL's existing model)

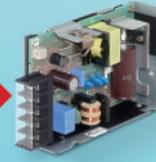
Stand-by Wattage **1W**

(PDA100F: 85% Reduced compared with COSEL's existing model)



Same Case Size • Compatible Attachment

Easy Drop-in Replacement



PDA50F

Line-up

Model Name	PDA15F	PDA30F	PDA50F	PDA75F	PDA100F	PDA150F	PDA300F	PDA600F
Output Wattage	3.3V	○	○	○	—	○	○	○
	5V	●	●	●	○	●	●	●
	12V	●	●	●	○	●	●	●
	15V	○	○	○	○	●	●	●
	24V	●	●	●	○	●	●	●
	36V	—	—	○	—	○	○	●
	48V	—	—	○	—	○	○	●

●: Released/Under Development ○: Expected Development

PDA300F/PDA600F **NEW**

High Efficiency **88.5%**

(PDA600F: 5% Improved than the COSEL existing model)

Output voltage adjustment is available for setting down to approximately 0V.

A constant current mode is available.

(An external circuit is required.)

Many Built-in Functions

(Auxiliary Output (AUX), Remote-control, etc.)



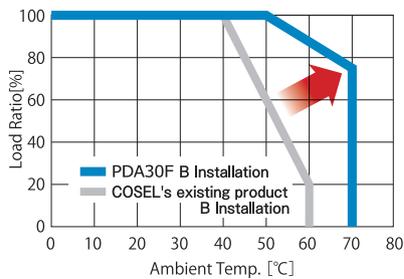
Common Interface



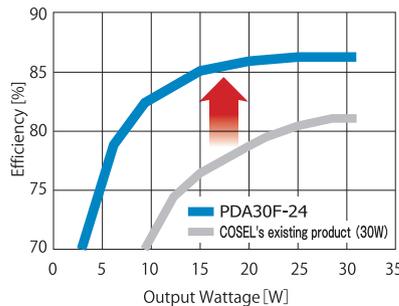
Expansion of Operating Ambient Temperature

Improved Power Supply Design Layout Flexibility

Reduced Design Resource against Heat Generation



Improved Power Supply Design Layout Flexibility



5% Efficiency Improved

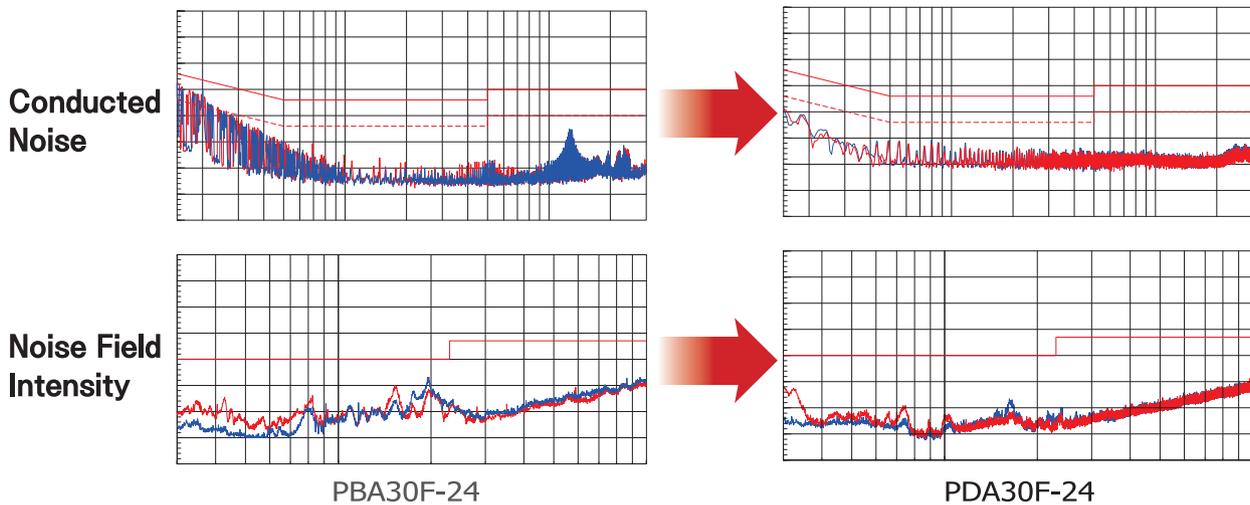
Contribute to reduce heat generation in application and CO₂ emissions

350kg CO₂ reduced

*Conditions: Total 100PCS, 8 hours/day, 365 days Operation

Low Noise (EMI)

Contribute to improve solution against noise in application



Conducted Noise and Noise Field Intensity
Reduced Higher than COSEL existing models!

Safety Standards

UL508 available

Option: -T5 PDA15F to PDA600F available (Expected development)

Same Built-in Functions with the existing PBA series

Many Built-in Functions	PDA300F/600F	PBA300F/600F
Output voltage adjustment is available for setting down to approximately 0V.	◎	◎
Output voltage adjustable by inputting external voltage.	◎	◎
Auxiliary Output (AUX)	◎	◎
Remote-control	◎	◎
Remote-sensing	◎	◎
Alarm Signal	◎	◎
Parallel Operation	◎	◎

◎: Available

Target Applications



- Measurement and Factory Automation equipment
- Industrial Robot equipment
- Sign devices
- Amusement devices
- Chip-mounter and manufacturing systems
- Semi-con Manufacturing equipment
- Other General Industrial equipment

PDA series



Model Name	PDA15F	PDA30F	PDA50F	PDA100F	PDA150F	PDA300F	PDA600F	
Input Voltage	85-264VAC							
Output Voltage/ Current ※Peak Current (230VACin)	3.3V	○	○	○	○	○	○	
	5V	3A	6A	10A	20A	30A	120A	
	12V	1.3A	2.5A	4.3A	8.5A	13A	53A	
	15V	○	○	○	7.0A	10A	43A	
	24V	0.7A	1.3A	2.2A	4.5A	6.5A	14A (16.5A) ※	27A (31A) ※
	36V	—	—	○	○	○	9A	18A
48V	—	—	○	○	○	7A	13A	
Efficiency (100VAC/230VACin, Io=100%) ※24VDCout	81.0% / 83.5%	83.5% / 86.5%	85.0% / 87.5%	87.5% / 89.5%	87.0% / 89.0%	82.0%/85.5%	85.5%/88.5%	
Leakage Current (240VACin, 60Hz, Io=100%)	0.3mA max.	0.55mA max.	0.65mA max.	0.75mA max.	0.75mA max.	0.75mA max.	0.75mA max.	
Operating Ambient Temperature	-20°C to +70°C (Derating is required.)							
Safety Standards Approval	UL62368-1, C-UL (Equivalent to CAN/CSA-C22.2 No.62368-1), EN62368-1							
Safety Standards Compliant	DEN-AN							
Conducted Noise	CISPR11-B, CISPR32-B, EN55011-B, EN55032-B, FCC Part 15-B, FCC Part 18-B, VCCI-B Compliant							
EMC Emissions	IEC61000-3-2 (Class A) Compliant (No-PFC)			IEC61000-3-2 (Class A) Compliant				
Case Size (W×H×D) mm [inches] (Excluding Block terminals and Screws)	31×78×85 [1.22×3.07×3.35]	31×78×103 [1.22×3.07×4.06]	31×82×120 [1.22×3.23×4.72]	32×93×147 [1.26×3.66×5.79]	34×93×168 [1.26×3.66×6.61]	102×42×170 [4.02×1.65×6.69]	120×61×190 [4.72×2.40×7.48]	
Weight	180g max.	250g max.	330g max.	440g max.	530g max.	1.0kg max.	1.6kg max.	

○: Expected Development

Option

Option	PDA15F	PDA30F	PDA50F	PDA100F	PDA150F	PDA300F	PDA600F
C: Coating	●	●	●	●	●	○	○
G: Low Leakage Current	●	●	●	●	●	○	○
J1: Connector Type (Input/Output)	○	○	○	○	○	—	—
N1: With DIN Rail	○	○	○	○	○	○	—
T5: UL 508 Approval	○	○	○	○	○	○	○

●: Released/Under Development ○: Expected Development

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