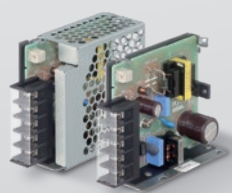
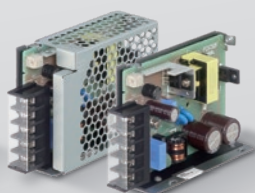




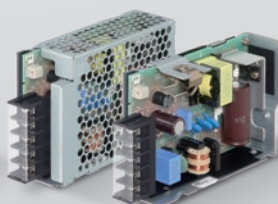
AC-DC Power Supply for General Purpose



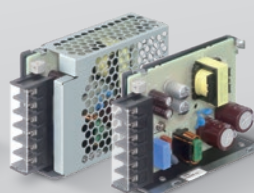
PDA15F



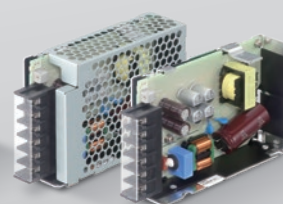
PDA30F



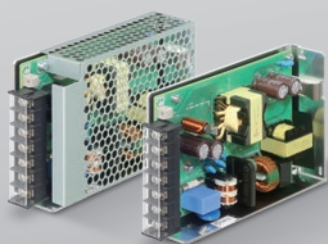
PDA50F



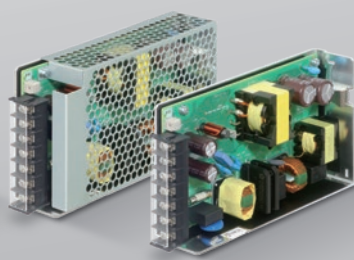
PDW30F



PDW50F



PDA100F



PDA150F



PDA300F



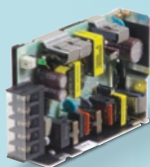
PDA600F

PDA series **15/30/50/100/150/300/600W** PDW series **30/50W**

NEW

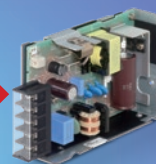
PDA/PDW series

PBA50F



Same Case Size • Compatible Attachment

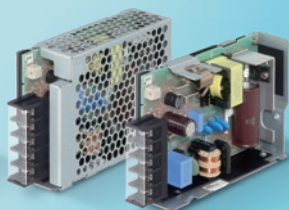
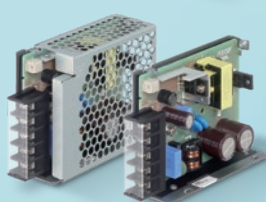
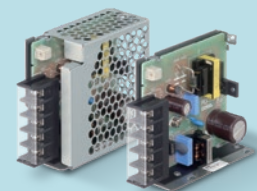
Easy Drop-in Replacement



PDA50F

PDA/PDW series

The next generation to the very successful PBA/PBW series.



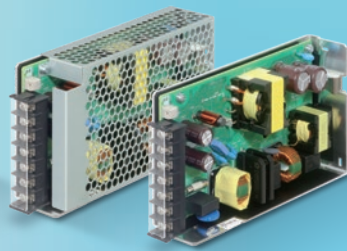
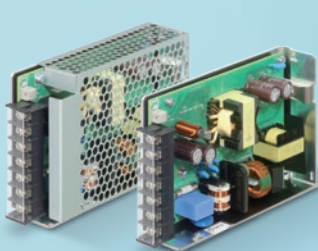
PDA15F/PDA30F/PDA50F

High Efficiency 86.5%

(5% Improved compared with COSEL's existing model: PDA30F-24)

Stand-by Wattage 1W

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



PDA100F/PDA150F

High Efficiency 91.0%

(5% Improved compared with COSEL's existing model: PDA100F-15)

Stand-by Wattage 1W

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

PDA300F/PDA600F

High Efficiency 89.0%

(5% Improved compared with COSEL's existing model: PDA600F-48)

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

A constant current mode is available.

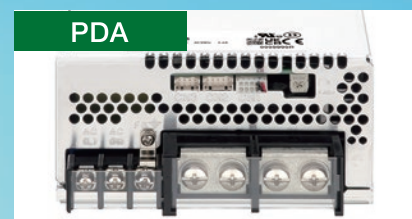
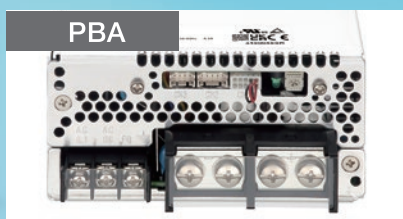
(An external circuit is required.)

Many Built-in Functions

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



Common Interface



PDW30F/PDW50F

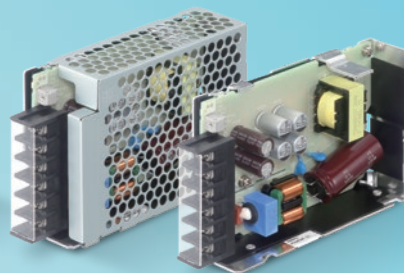
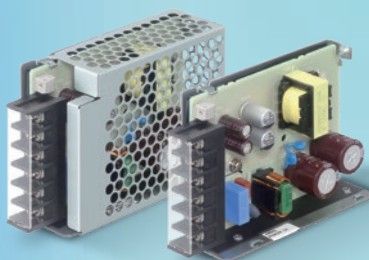
NEW

High Efficiency 84.0%

(5% Improved compared with COSEL's existing model: PDW30F-15)

Stand-by Wattage 1.5W

(54% Reduced compared with COSEL's existing model: PDW30F)

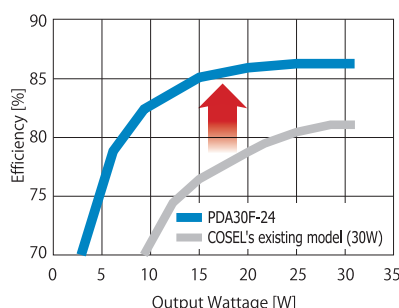
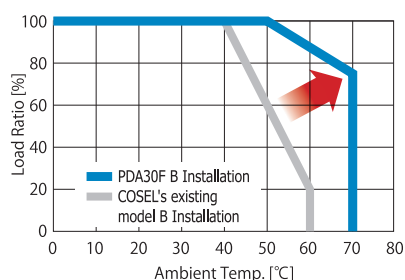


Expansion of Operating Ambient Temperature

■ Improved Design Flexibility of Power Supply Layout

■ Reduced Environmental Impact

Reduced Design Resource against Heat Generation



5% Efficiency Improved

Contribute to reduce heat generation in application and CO₂ emissions

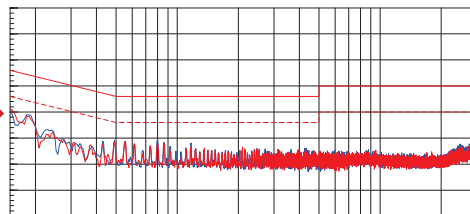
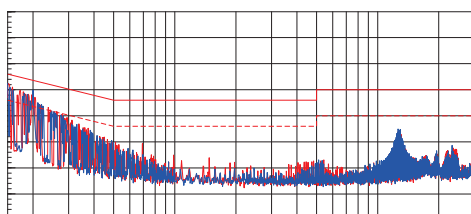
350kg CO₂ reduced

※Conditions: Total 100pcs, 8 hours/day, 365 days Operation

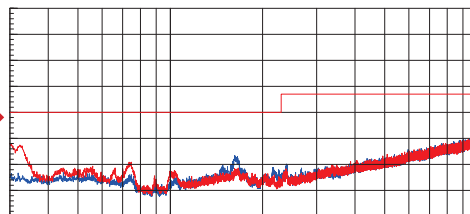
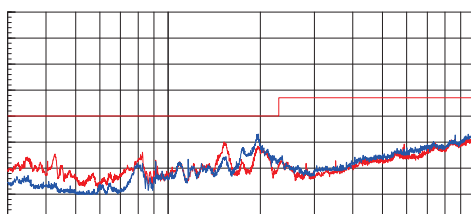
Low Noise (EMI)

Contribute to reduce solution resource against noise in application

Conducted Noise



Noise Field Intensity



PBA30F-24

PDA30F-24

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

Safety Standards

UL508 available

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

Same Built-in Functions with the existing PBA/PBW series

Many Built-in Functions	PBA300F/600F	PDA300F/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/PDW series



Model Name		PDA15F	PDA30F	PDA50F	PDA100F	PDA150F	PDA300F	PDA600F	PDW30F	PDW50F
Input Voltage		85 - 264VAC								
Output Voltage/ Current ※Peak Current (230VACin)	NEW 3.3V	3A	6A	10A	20A	30A	60A	120A	—	—
	5V	3A	6A	10A	20A	30A	60A	120A	—	—
	12V	1.3A	2.5A	4.3A	8.5A	13A	27A	53A	—	—
	NEW 15V	1A	2A	3.5A	7.0A	10A	22A	43A	—	—
	24V	0.7A	1.3A	2.2A	4.5A	6.5A	14A (16.5A) ※	27A (31A) ※	—	—
	NEW 36V	—	—	1.4A	2.8A	4.3A	9A	18A	—	—
	NEW 48V	—	—	1.1A	2.1A	3.3A	7A	13A	—	—
	±12V	—	—	—	—	—	—	—	1.3A	2.1A
	±15V	—	—	—	—	—	—	—	1.0A	1.7A
Efficiency(230VACin, Io=100%) ※Output Voltage PDA 24V PDW ±12V		83.5%	86.5%	87.5%	89.5%	89.0%	84.5%	88.0%	83.0%	83.0%
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.	0.5mA max.	0.5mA max.
Operating Ambient Temperature	-20 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									
Harmonic Compliance	IEC61000-3-2 (Class A) Compliant (No-PFC)				IEC61000-3-2 (Class A) Compliant				IEC61000-3-2 (Class A) Compliant (No-PFC)	
Case Size (W x H x D)mm [Inches]	31x78x85 [1.22x3.07x3.35]	31x78x103 [1.22x3.07x4.06]	31x82x120 [1.22x3.23x4.72]	32x93x147 [1.26x3.66x5.79]	34x93x168 [1.26x3.66x6.61]	102x42x170 [4.02x1.65x6.69]	120x61x190 [4.72x2.40x7.48]	31x78x103 [1.22x3.07x4.06]	31x82x120 [1.22x3.23x4.72]	
Weight	180g max.	250g max.	330g max.	440g max.	530g max.	1.0kg max.	1.6kg max.	250g max.	250g max.	

※PDA75F: Under Development

Option

Option	PDA15F	PDA30F	PDA50F	PDA100F	PDA150F	PDA300F	PDA600F	PDW30F	PDW50F
N : With Cover	●	●	●	●	●	—	—	●	●
C : Conformal Coating	●	●	●	●	●	●	●	●	●
G : Low Leakage Current	●	●	●	●	●	●	●	○	○
J1 : Connector Type (Input/Output)	●	●	●	●	●	—	—	○	○
N1 : With DIN Rail	●	●	●	●	●	●	—	○	○
T5 : UL 508 Approval	● (5V,12V,24V)	● (5V,12V,24V)	● (24V)	● (24V)	● (24V)	○	○	—	—

●: Released/Under Development ○: Expected Development

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