

PD Series - Internal Enclosed SMPSU Range

15~500Watt Single Output High Quality Industrial Power Supplies with a 3 Year Warranty



- Universal Input 85~264VAC
- All using 105C long life electrolytic capacitors
- 100% full load born-in test
- Protections: Short circuit/OLP/OVP
- Compact Metal Case with Screw Terminal Block
- Compliance to EN 61000-3-2(PFC)
- Applications: industrial, automation and test
- 3 years warranty

Model No	PD-15	PD-25-S	PD-35	PD-50	PD-60	PD-100	PD-150
Ac input voltage	85~264VAC universal input (PD-150 115/230VAC by switch)						
AC inrush current(max)	Cold start. 40A at 230VAC						
DC adjustment range	± 10% by potential meter for single output						
Overload protection	110%~150% hiccup mode, auto-recovery						
Over voltage protection	115%~140% hiccup mode, auto-recovery (PD-60: shut off)						
Withstand voltage	I/P- O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC, 1 minute						
Working temperature	-20~+70℃(refer to the derating curve for different models)						
Safety standards	UL60950-1, TUV EN60950-1						
EMC standards	En55022 class B, EN6100-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61000-6-2(EN50082-2)						
Connection	Screw Terminal Block for input and output						
Dimension(L*W*H)(mm)	79×51×28	79×51×28	102×64×33	99×82×35	129×98×38	160×98×38	199×98×38
Case No	P18-1	P18-1	NEW	NEW	P18-2	P18-3	P18-4
Packing	48pcs/9.5kgs	48pcs/10.5kgs			30pcs/14.2kgs	20pcs/13.6kgs	20pcs/15kgs

Model No	PDF-100 (PFC)	PDF-150 (PFC)	PDF-200 (PFC)	PDF-320 (PFC)	GPF-U500S (PFC)
Ac input voltage	85~264VAC; 120~370VDC.				
DC adjustment range	-5~+10% Rated output voltage				
Overload protection	110%~150% hiccup mode, auto-recovery				
Over voltage protection	115%~140% shut off, AC recycle to re-start				
Withstand voltage	I/P- O/P:3KVAC, I/P-FG:1.5KVAC, 1 minute				
Working temperature	-10~+60℃(refer to output derating curve)				
Safety standards	UL60950-1, TUV EN60950-1				
EMC standards	En55022 class B, EN6100-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204				
Connection	Screw Terminal Block for input and output				
Dimension(L*W*H)(mm)	179*99*50	179*99*50	199*98*50	226*115*50	170*117*94
Case No	P18-5	P18-5	P18-6	P19-1	P19-2
Packing	20pcs/15.2kgs	20pcs/15.2kgs	16pcs/14.2kgs	10pcs/14.5kgs	6pcs/13.2kgs

15W- Single Output

Model No.	Output	Tol.	R&N	Effi
PD-15-3.3	3.3V, 0~3A	±2%	≤80mV	70 %
PD-15-5	5V, 0~3A	±2%	≤80mV	75 %
PD-15-12	12V, 0~1.3A	±1%	≤120mV	80 %
PD-15-15	15V, 0~1A	±1%	≤120mV	81 %
PD-15-24	24V, 0~0.63A	±1%	≤120mV	83 %

25W- Single Output

Model No.	Output	Tol.	R&N	Effi
PD-25-S3.3	3.3V, 0~6A	±2%	≤80mV	70 %
PD-25-S5	5V, 0~5A	±2%	≤80mV	75 %
PD-25-S12	12V, 0~2.1A	±1%	≤120mV	80 %
PD-25-S15	15V, 0~1.7A	±1%	≤120mV	81 %
PD-25-S24	24V, 0~1.1A	±1%	≤120mV	83 %

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35W— Single Output

Model No.	Output	Tol.	R&N	Effi
PD-35-5	5V, 0~6A	±2%	≤80mV	77%
PD-35-12	12V, 0~3A	±1%	≤120mV	81%
PD-35-15	15V, 0~2.4A	±1%	≤120mV	83%
PD-35-24	24V, 0~1.5A	±1%	≤120mV	84%
PD-35-48	48V, 0~0.8A	±1%	≤240mV	84%

50W— Single Output

Model No.	Output	Tol.	R&N	Effi
PD-50-5	5V, 0~8A	±2%	≤80mV	78%
PD-50-12	12V, 0~4.2A	±1%	≤120mV	81%
PD-50-15	15V, 0~3.4A	±1%	≤120mV	83%
PD-50-24	24V, 0~2.2A	±1%	≤120mV	84%
PD-50-48	48V, 0~1.1A	±1%	≤240mV	86%

60W— Single Output

Model No.	Output	Tol.	R&N	Effi
PD-60-5	5V, 0~12A	±2%	≤50mV	83%
PD-60-12	12V, 0~5A	±1%	≤120mV	80%
PD-60-15	15V, 0~4A	±1%	≤120mV	80%
PD-60-24	24V, 0~2.5A	±1%	≤120mV	80%
PD-60-48	48V, 0~1.25A	±1%	≤240mV	83%

100W— Single Output

Model No.	Output	Tol.	R&N	Effi
PD-100-5	5V, 0~16A	±2%	≤80mV	79%
PD-100-12	12V, 0~8.5A	±1%	≤100mV	81%
PD-100-15	15V, 0~7A	±1%	≤100mV	83%
PD-100-24	24V, 0~4.5A	±1%	≤120mV	85%
PD-100-48	48V, 0~2.3A	±1%	≤200mV	84%

150W— Single Output

Model No.	Output	Tol.	R&N	Effi
PD-150-5	5V, 0~26A	±2%	≤80mV	79%
PD-150-12	12V, 0~12.5A	±1%	≤120mV	83%
PD-150-15	15V, 0~10A	±1%	≤120mV	84%
PD-150-24	24V, 0~6.5A	±1%	≤120mV	85%
PD-150-48	48V, 0~3.3A	±1%	≤200mV	86%

100W— Single Output (PFC)

Model No.	Output	Tol.	R&N	Effi
PDF-100-5	5V, 0~20A	±2%	≤100mV	78%
PDF-100-12	12V, 0~8.5A	±2%	≤100mV	83%
PDF-100-15	15V, 0~6.7A	±2%	≤100mV	83%
PDF-100-24	24V, 0~4.2A	±1%	≤150mV	83%
PDF-100-48	48V, 0~2.15A	±1%	≤250mV	84%

150W— Single Output (PFC)

Model No.	Output	Tol.	R&N	Effi
PDF-150-5	5V, 0~30A	±2%	≤100mV	80%
PDF-150-12	12V, 0~12.5A	±1%	≤100mV	83%
PDF-150-15	15V, 0~10A	±1%	≤100mV	83%
PDF-150-24	24V, 0~6.3A	±1%	≤150mV	83%
PDF-150-48	48V, 0~3.2A	±1%	≤240mV	83%

200W— Single Output (PFC)

Model No.	Output	Tol.	R&N	Effi
PDF-200-5	5V, 0~40A	±2%	≤100mV	83%
PDF-200-12	12V, 0~16.7A	±2%	≤100mV	79%
PDF-200-15	15V, 0~13.4A	±2%	≤100mV	82%
PDF-200-24	24V, 0~8.4A	±1%	≤150mV	82%
PDF-200-48	48V, 0~4.2A	±1%	≤250mV	83%

320W— Single Output (PFC)

Model No.	Output	Tol.	R&N	Effi
PDF-320-4	4V, 0~60A	±2%	≤100mV	79%
PDF-320-5	5V, 0~60A	±2%	≤150mV	79%
PDF-320-12	12V, 0~25A	±1%	≤150mV	86%
PDF-320-15	15V, 0~21A	±1%	≤150mV	87%
PDF-320-24	24V, 0~13A	±1%	≤150mV	87%
PDF-320-48	48V, 0~6.7A	±1%	≤240mV	88%

500W— Single Output (PFC)

Model No.	Output	Tol.	R&N	Effi
GPF-U500S12	12V, 0~40A	±3%	≤120mV	78%
GPF-U500S15	15V, 0~33A	±3%	≤150mV	80%
GPF-U500S24	24V, 0~20A	±3%	≤240mV	81%
GPF-U500S27.5	27.5V, 0~18A	±3%	≤270mV	86%
GPF-U500S36	36V, 0~13.8A	±3%	≤360mV	82%
GPF-U500S48	48V, 0~10A	±3%	≤480mV	82%