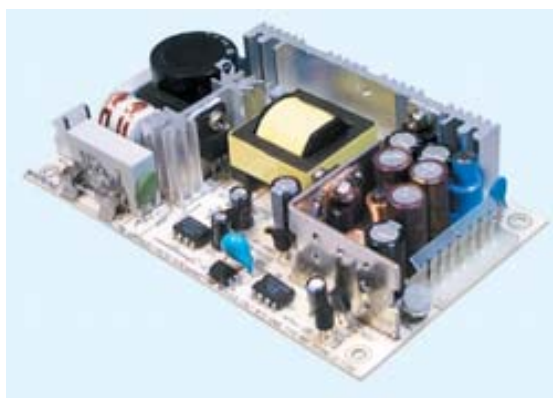
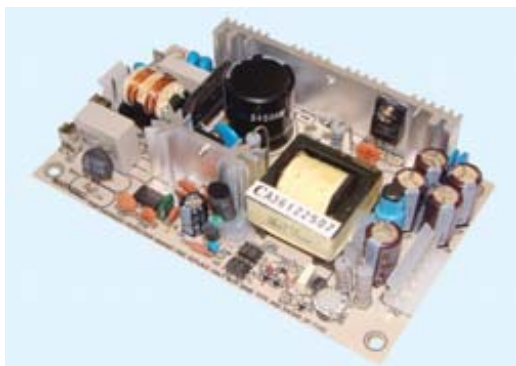




Блоки питания Open Frame серии PS, PD, PT

Технические характеристики



По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

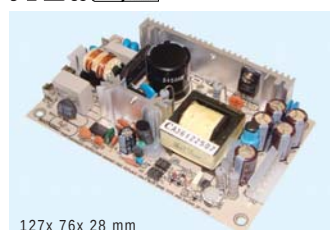
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

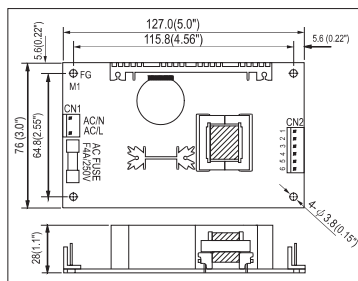
сайт: <http://meanwell.nt-rt.ru> | | эл. почта: mlw@nt-rt.ru

45W 1~3 Output

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Fixed switching frequency at 65kHz
- Low leakage current <0.75mA
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



127x 76x 28 mm



AC input voltage range ...90~264VAC; 127~370VDC
 AC inrush currentCold start, 15A at 115VAC, 30A at 230VAC
 DC adjustment rangeCH1: -5%~+10% rated output voltage
 Overload protection53~75W hiccup mode, auto-recovery
 Over voltage protection .. CH1: 115%~135% rated output voltage
 Leakage currentLess than 0.75mA at 240VAC
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG:1.5kVAC(PS-45 2kVAC)
 Working temperature-10~+60°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standardsEN55022 class B, EN61000-3-2,3,
 EN61000-4-2,3,4,5,6,8,11
 Connection 2P, 6P/ 3.96mm pitch, Molex 5277-02 / 5273-06
 Packing 0.19kg ; 72pcs / 15.6kg / 1.35CUFT(PS-45)
 0.20kg ; 72pcs / 16.0kg / 1.35CUFT(PD-45)
 0.21kg ; 72pcs / 17.0kg / 1.35CUFT(PT-45)

❖ Single Output

Model No.	Output	Tol.	R&N	Effi.	
PS-45-3.3	3.3V, 0~8.0A	±3%	80mV	69%	
PS-45-5	5V, 0~8.0A	±3%	100mV	74%	
PS-45-7.5	7.5V, 0~5.4A	±3%	100mV	75%	
PS-45-12	12V, 0~3.7A	±2%	100mV	76%	
PS-45-13.5	13.5V, 0~3.3A	±2%	100mV	77%	
PS-45-15	15V, 0~3.0A	±2%	100mV	77%	
PS-45-24	24V, 0~1.9A	±2%	100mV	78%	
PS-45-27	27V, 0~1.7A	±2%	100mV	78%	
PS-45-48	48V, 0~1.0A	±2%	100mV	78%	

❖ Dual Output

Model No.	Output	Tol.	R&N	Effi.	Max.
PD-45A	5V, 0.4~5.0A	±4%	50mV	77%	40W
	12V, 0.2~2.5A	±7%	120mV		
PD-45B	5V, 0.4~5.0A	±4%	50mV	78%	45W
	24V, 0.2~1.8A	±7%	120mV		

❖ Triple Output

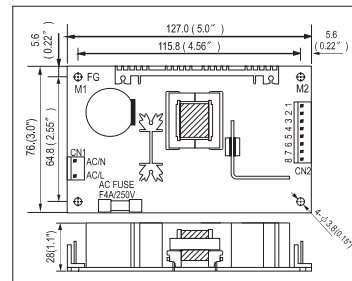
Model No.	Output	Tol.	R&N	Effi.	Max.
PT-45A	5V, 0.4~5.0A	±4%	50mV	75%	41W
	12V, 0.2~2.5A	±7%	120mV		
	-5V, 0.0~0.5A	±5%	50mV		
PT-45B	5V, 0.4~5.0A	±4%	50mV	75%	43W
	12V, 0.2~2.5A	±7%	120mV		
	-12V, 0.0~0.5A	±5%	100mV		
PT-45C	5V, 0.4~5.0A	±4%	50mV	75%	44W
	15V, 0.2~2.3A	±7%	120mV		
	-15V, 0.0~0.5A	±5%	100mV		

45W & 65W Triple Output with 3.3V Channel

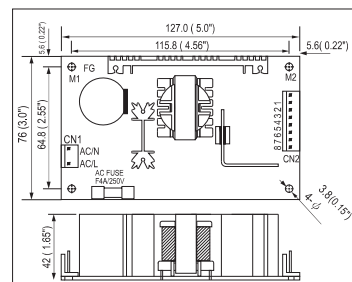
- Universal AC input / Full range
- Total power for CH1+2: 35W (PT-45)
- Total power for CH1+2: 54W (PT-65)
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty



PT-4503
127x 76x 28 mm



PT-6503
127x 76x 42 mm



AC input voltage range 90~264VAC; 127~370VDC
 AC inrush current Cold start, 20A at 115VAC, 40A at 230VAC
 DC adjustment range 3.3V: ±10% rated output voltage
 Overload protection 120%~160% hiccup mode, auto-recovery
 Over voltage protection 5V: 115%~135% rated output voltage
 Leakage current Less than 1.0mA at 240VAC
 Setup, rise, hold up time 800ms, 50ms, 60ms at full load and 230VAC
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG:1.5kVAC, 1minute
 Working temperature -10~+60°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standardsEN55022 class B, EN61000-3-2,3,
 EN61000-4-2,3,4,5,6,11
 Connection 2P, 8P/ 3.96mm pitch, Molex: 5277-02, 5273-08
 Packing 0.23kg ; 72pcs / 17.6kg / 1.35CUFT(PT-4503)
 0.28kg ; 54pcs / 16.2kg / 1.35CUFT(PT-6503)

❖ Triple Output (45W)

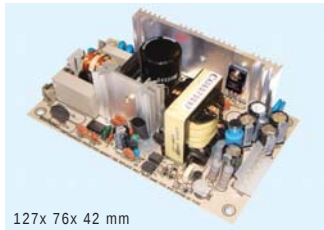
Model No.	Output	Tol.	R&N	Effi.	Max.
PT-4503	3.3V, 0.0~5.0A	±2%	50mV	72%	45W
	5V, 0.2~7.0A	+4%, -2%	50mV		
	12V, 0.0~1.2A	±8%	100mV		

❖ Triple Output (65W)

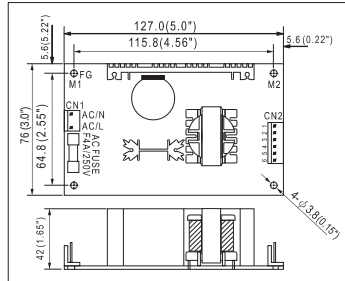
Model No.	Output	Tol.	R&N	Effi.	Max.
PT-6503	3.3V, 0.0~7.0A	±3%	50mV	72%	62W
	5V, 0.2~10A	+4%, -2%	50mV		
	12V, 0.0~1.2A	±8%	100mV		

65W 1~3 Output

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Low leakage current <0.75mA
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



127x 76x 42 mm



AC input voltage range 90~264VAC; 127~370VDC
 AC inrush current Cold start, 20A at 115VAC, 40A at 230VAC
 DC adjustment range CH1: -5%~+10% rated output voltage
 Overload protection 73~105W hiccup mode, auto-recovery
 Over voltage protection CH1: 115%~135% rated output voltage
 Leakage current Less than 0.75mA at 240VAC
 Setup, rise, hold up time 800ms, 20ms, 60ms at full load and 230VAC
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC (PS-65 2kVAC)
 Working temperature -10~+60°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standards EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
 Connection 2P, 6P/ 3.96mm pitch, Molex P/N: 5277-02, 5273-06
 Packing 0.21kg ; 54pcs / 14.2kg / 1.35CUFT (PS-65)
 0.24kg ; 54pcs / 15.0kg / 1.35CUFT (PD-65)
 0.25kg ; 54pcs / 15.9kg / 1.35CUFT (PT-65)

Single Output

Model No.	Output	Tol.	R&N	Effi.
PS-65-3.3	3.3V, 0~12A	±3%	80mV	69%
PS-65-5	5V, 0~12A	±3%	100mV	76%
PS-65-7.5	7.5V, 0~8.0A	±3%	100mV	79%
PS-65-12	12V, 0~5.2A	±2%	100mV	79%
PS-65-13.5	13.5V, 0~4.7A	±2%	100mV	79%
PS-65-15	15V, 0~4.2A	±2%	100mV	79%
PS-65-24	24V, 0~2.7A	±2%	100mV	80%
PS-65-27	27V, 0~2.4A	±2%	100mV	80%
PS-65-48	48V, 0~1.35A	±2%	100mV	80%

Dual Output

Model No.	Output	Tol.	R&N	Effi.	Max.
PD-65A	5V, 0.4~7.0A	±4%	50mV	78%	61W
	12V, 0.2~3.2A	±7%	120mV		
PD-65B	5V, 0.4~6.0A	±4%	50mV	81%	66W
	24V, 0.2~2.6A	±7%	150mV		

Triple Output

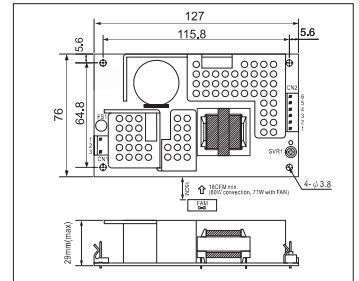
Model No.	Output	Tol.	R&N	Effi.	Max.
PT-65A	5V, 0.4~7.0A	±4%	50mV	76%	60W
	12V, 0.2~3.2A	±7%	120mV		
	-5V, 0.0~0.7A	±5%	50mV		
PT-65B	5V, 0.4~7.0A	±4%	50mV	77%	64W
	12V, 0.2~3.2A	±7%	120mV		
	-12V, 0.0~0.7A	±5%	100mV		
PT-65C	5V, 0.4~7.0A	±4%	50mV	77%	65W
	15V, 0.2~2.6A	±7%	120mV		
	-15V, 0.0~0.7A	±5%	100mV		
PT-65D	5V, 0.5~5.0A	±4%	50mV	79%	68W
	12V, 0.2~4.0A	±6%	100mV		
	24V, 0.2~1.3A	±6%	200mV		

65W 2, 3 Output

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 12V or 24V high peak current capability
- 60~65W free air convection, 77~80W with 18 CFM forced air
- Low leakage current < 1mA
- 100% full load burn-in test
- 2 years warranty



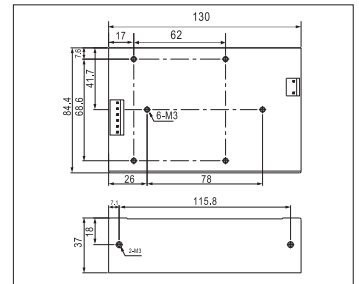
127x 76x 29 mm



With Case



130x 85x 37 mm



AC input voltage range 90~264VAC; 127~370VDC
 AC inrush current Cold start, 25A at 115VAC, 50A at 230VAC
 DC adjustment range CH1 12V: 11.4~12.8V, 24V: 22.8~26.4V
 Overload protection 90~125W hiccup mode, auto-recovery
 Over voltage protection CH1: 115%~135% rated output voltage
 Leakage current Less than 1mA at 240VAC
 Setup, rise, hold up time 800ms, 20ms, 20ms at full load and 230VAC
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG: 2kVAC, 1minute
 Working temperature -20~+60°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standards EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
 Connection 3P, 6P/ 3.96mm pitch, Molex P/N: 5273-03, 5273-06
 Packing 0.24kg ; 63pcs / 16kg / 1.35CUFT (PCB type)
 0.47kg ; 32pcs / 16kg / 0.64CUFT (Enclosed type)

Dual Output

Model No.	Output	Tol.	R&N	Effi.	Max.
RPD-65C□	12V, 0~5.8A	±2%	120mV	79%	60W
	5V, 0~1.5A	±5%	50mV		
RPD-65D□	24V, 0~2.9A	±2%	150mV	81%	60W
	5V, 0~1.5A	±5%	50mV		

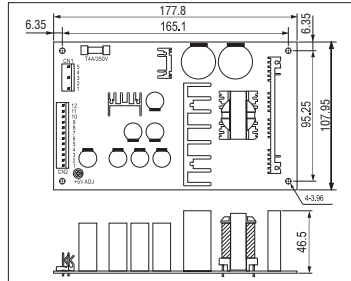
Triple Output

Model No.	Output	Tol.	R&N	Effi.	Max.
RPT-65E□	12V, 0.18~5.8A	±2%	120mV	77%	63W
	5V, 0.0~1.5A	±5%	100mV		
	-5V, 0.0~0.7A	±5%	120mV		
RPT-65F□	12V, 0.18~5.8A	±2%	150mV	77%	66W
	5V, 0.0~1.5A	±5%	100mV		
	-12V, 0.0~0.7A	±5%	150mV		
RPT-65G□	24V, 0.09~2.9A	±2%	150mV	81%	66W
	5V, 0.0~1.5A	±5%	50mV		
	12V, 0.0~0.7A	±5%	100mV		

□ = blank, -C ; blank: PCB Type, -C: Enclosed Type

110W Dual Output

- Universal AC input / Full range
- Power good signal output (option)
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Low leakage current <1mA@ 240VAC
- 2 years warranty

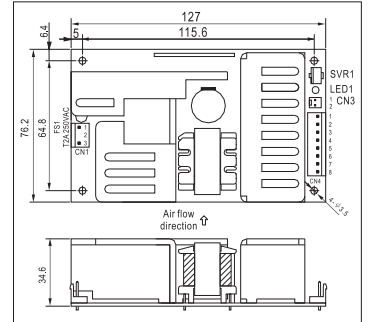
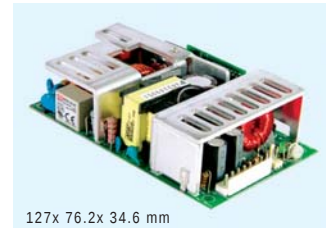


AC input voltage range ...100~264VAC; 141~370VDC
 AC inrush currentCold start, 45A at 230VAC
 DC adjustment rangeCH1: -5%~+10% rated output voltage
 Overload protection105%~135% hiccup mode, auto-recovery
 Over voltage protection ..CH1: 115%~135% rated output voltage
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG:1.5kVAC, 1minute
 Working temperature-10~+60°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standards EN55022 class B, EN61000-3-2,3,
 EN61000-4-2,3,4,5,6,11
 Connection5+12P/ 3.96mm pitch, Molex: 5273-05,12
 Packing 0.51kg ; 24pcs / 13.1kg / 1.19CUFT

Model No.	Output	Tol.	R&N	Effi.	Max.
PD-110A	5V, 0.5~5.0A	±2%	100mV	75%	103W
	12V, 0.5~6.5A	±6%	150mV		
PD-110B	5V, 0.5~5.0A	±2%	100mV	78%	109W
	24V, 0.5~3.5A	±6%	200mV		

125W 1,3 Output with PFC Function

- Universal AC input / Full range
- Built-in active PFC function
- High power density 6.117W/in³
- Protections: Short circuit / Overload / Over voltage
- Built-in remote sense for PPS-125
- LED indicator for power on
- Free air convection for 100W and 125W with 18 CFM forced air
- 100% full load burn-in test
- 3 years warranty



AC input voltage range90~264VAC; 127~370VDC
 AC inrush currentCold start, 24A at 230VAC
 DC adjustment rangeCH1: ±5% rated output voltage
 Overload protection130%~160% fold back current limiting, auto-recovery
 Over voltage protection CH1:110%~135% rated output voltage
 Leakage current Less than 2.0mA at 240VAC
 Setup, rise, hold up time 1000ms, 30ms, 24ms at full load and 230VAC
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG:1.5kVAC, 1minute
 Working temperature-20~+70°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standards EN55022 class B, EN61000-3-2,3,
 EN61000-4-2,3,4,5,6,8,11
 Connection3+8P/3.96mm pitch, JST: B3P/B8P-VH (PPS-125)
3+5Px2/3.96mm pitch, JST: B3P/B5Px2-VH (PPT-125)
 Packing0.37kg; 36pcs / 14.3kg / 0.79CUFT

❖ Single Output

Model No.	Output	Tol.	R&N	Effi.	
PPS-125-3.3	3.3V, 0~25A	±2%	100mV	70%	
PPS-125-5	5V, 0~25A	±2%	100mV	79%	
PPS-125-12	12V, 0~10.5A	±2%	100mV	80%	
PPS-125-13.5	13.5V, 0~9.3A	±2%	100mV	80%	
PPS-125-15	15V, 0~8.4A	±2%	100mV	80%	
PPS-125-24	24V, 0~5.2A	±1%	150mV	83%	
PPS-125-27	27V, 0~4.6A	±1%	150mV	83%	
PPS-125-48	48V, 0~2.6A	±1%	250mV	84%	

❖ Triple Output

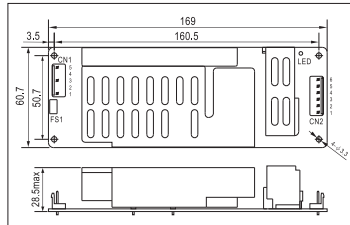
Model No.	Output	Tol.	R&N	Effi.	Max
PPT-125A	3.3V, 1.0~12.5A	±3%	100mV	75%	99W
	5V, 0.8~10.0A	±5%	100mV		
	12V, 0.05~0.63A	±6%	120mV		
PPT-125B	5V, 1.0~14.38A	±3%	100mV	78%	124W
	12V, 0.3~3.75A	±5%	120mV		
	-12V, 0.05~0.63A	±6%	120mV		
PPT-125C	5V, 1.0~13.75A	±3%	100mV	78%	125W
	15V, 0.25~3.13A	±5%	150mV		
	-15V, 0.05~0.63A	±6%	150mV		
PPT-125D	5V, 1.0~8.75A	±3%	100mV	78%	126W
	24V, 0.25~3.13A	±5%	240mV		
	12V, 0.05~0.63A	±6%	120mV		

150W Single Output with PFC Function

- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Cooling by free air convection
- High power density 8.4W/in³
- No load power consumption <1W
- 100% full load burn-in test
- 3 years warranty



169x 60.7x 28.5 mm



AC input voltage range 90~264VAC ; 127~370VDC
 DC adjustment range Can be modified between $\pm 10\%$ rated output voltage by factory
 Overload protection 105%~135% hiccup mode, auto-recovery
 Over voltage protection 110%~135% rated output voltage
 Withstand voltage I/P-O/P: 4.25kVDC, I/P-FG: 1.5kVAC, 1minute
 Working temperature -20~+60°C (refer to output derating curve)
 Safety standards UL60950-1 approved
 EMC standards EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
 Connection 5+6P/3.96mm pitch, JST P/N :B5P/B6P-VH
 Packing 0.32kg ; 48pcs / 15.8kg / 0.79CUFT

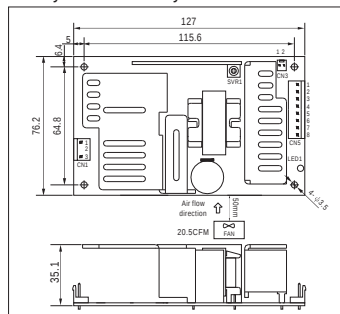
Model No.	Output	Tol.	R&N	Effi.
ASP-150-12	12V, 0~11A	$\pm 2\%$	150mV	88%
ASP-150-15	15V, 0~9.5A	$\pm 2\%$	180mV	88%
ASP-150-20	20V, 0~7.5A	$\pm 1\%$	200mV	90%
ASP-150-24	24V, 0~6.3A	$\pm 1\%$	240mV	90%
ASP-150-48	48V, 0~3.2A	$\pm 1\%$	240mV	89%

200W Single Output with PFC Function

- Universal AC input / Full range
- High efficiency up to 90%
- PF>0.98@115VAC; >0.93@230VAC
- Protections: Short circuit / Overload / Over voltage / Over temp.
- High power density 9.78W/in³
- 5"x3" compact size
- ZVS technology to reduce power dissipation
- Built-in remote sense function
- Free air convection for 150W and 200W with 20.5 CFM forced air
- 3 years warranty



127x 76.2x 35.1 mm



AC input voltage range 90~264VAC; 127~370VDC
 DC adjustment range $\pm 10\%$ rated output voltage
 Overload protection 105%~135% hiccup mode, auto-recovery
 Over voltage protection 115%~135% rated output voltage
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC, 1minute
 Working temperature -20~+70°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standards EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
 Connection 3+8P/3.96mm pitch, JST B3P/B8P-VH
 Packing 0.37kg ; 36pcs / 14.3kg / 0.79CUFT

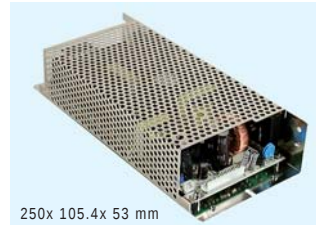
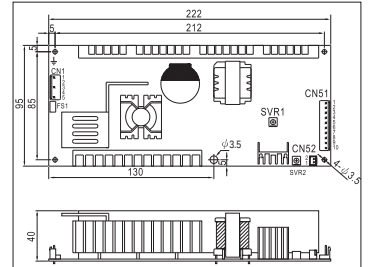
Model No.	Output	Tol.	R&N	Effi.
PPS-200-5	5V, 0~36.0A	$\pm 4\%$	100mV	86%
PPS-200-12	12V, 0~16.6A	$\pm 3\%$	100mV	89%
PPS-200-15	15V, 0~13.3A	$\pm 3\%$	100mV	89%
PPS-200-24	24V, 0~8.30A	$\pm 2\%$	150mV	89%
PPS-200-27	27V, 0~7.40A	$\pm 2\%$	150mV	89%
PPS-200-48	48V, 0~4.167A	$\pm 2\%$	250mV	90%

250W Isolated Dual Output with PFC Function

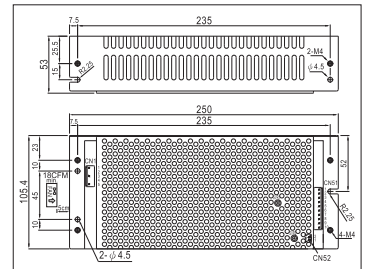
- Universal AC input / Full range
- Isolated output & GND for CH1,CH2
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Optional case available
- Cooling by free air convection
- Remote control function for CH1
- Peak load 170% for 10 sec. (CH1)
- 100% full load burn-in test
- 3 years warranty



222x 95x 40 mm



250x 105.4x 53 mm



AC input voltage range 90~264VAC; 127~370VDC
 AC inrush current Cold start, 58A at 230VAC
 Leakage current Less than 3.5mA at 240VAC
 DC adjustment range $\pm 10\%$ for CH1; $\pm 5\%$ for CH2
 Overload protection(CH1) 105%~170% normally operation, shut off after 10 sec.; >180%, constant current, shut off after 10 sec.
 (CH2) 101%~150% hiccup mode, auto-recovery
 Over voltage protection CH1: 115%~140%, CH2: 110%~135%
 Setup, rise, hold up time 1200ms, 60ms, 30ms at full load and 230VAC
 Withstand voltage I/P-O/P: 3.0kVAC, I/P-FG: 2kVAC, 1minute
 Working temperature -20~+70°C (refer to output derating curve)
 Safety standards UL60950-1, TUV EN60950-1 approved
 EMC standards EN55022 class B, EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2
 Connection 5+10+2P/3.96mm pitch JST B5P/B10P-VH, B2B-XH
 Packing 0.74kg ; 18pcs / 14.3kg / 0.88CUFT (PCB type); 1.6kg ; 9pcs / 15.4kg / 0.61CUFT (Enclosed type)

Model No.	Output	Tol.	R&N	Effi.
PID-250A	12V, 0~15A	$\pm 3\%$	120mV	83%
PID-250B	5V, 0~5.0A	$\pm 2\%$	50mV	86%
PID-250C	24V, 0~9.4A	$\pm 2\%$	150mV	86%
PID-250D	5V, 0~5.0A	$\pm 2\%$	50mV	86%
PID-250D	36V, 0~6.3A	$\pm 2\%$	200mV	86%
PID-250D	5V, 0~5.0A	$\pm 2\%$	50mV	86%
PID-250D	48V, 0~4.7A	$\pm 2\%$	200mV	86%
PID-250D	5V, 0~5.0A	$\pm 2\%$	50mV	86%

► Feature Description

PID-250 series is suitable for motor-based equipment with logic control circuit. CH1 with high peak power capability can provide the required surge loading while starting up the motor. The isolated 5V/5A CH2 is good for logic control usage and can still work properly even CH1 is malfunction or at any protection modes. The isolated design between CH1 and CH2 can significantly prevent noise of the motor action from entering control circuits and hence secure the accurate operation of the end equipment.

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