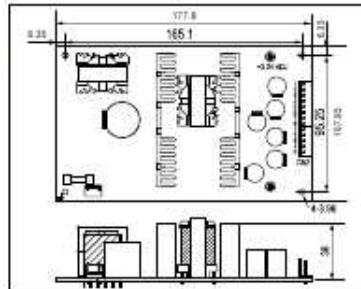


## 100W Quad Output with PFC Function

- Universal AC input / Full range
- PF>0.98@115VAC; >0.95@230VAC
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- 3 years warranty



178x 108x 38 mm



- AC input voltage range .. 90~264VAC; 127~370VDC
- AC inrush current ..... Cold start, 40A at 230VAC
- DC adjustment range ..... CH1: -5~+10% (PPQ-1003: CH1&2 -5~+10%)
- Overload protection ..... 105%~135% hiccup mode, auto-recovery (PPQ-100)
- 105%~135% constant current, auto-recovery (PPQ-1003)
- Over voltage protection .. 3.6V~4.3V for 3.3V ; 5.75V~6.75V for 5.0V
- Leakage current ..... Less than 3.5mA at 240VAC (PPQ-1003: <1mA)
- Setup, rise, hold up time .. 800ms, 50ms, 18ms at full load and 230VAC
- Withstand voltage ..... I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC, 1minute
- Working temperature ..... -10°C~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, ENV50204
- Connection ..... 5P+5P+8P/ 3.96mm pitch, P/N:JST B5/5/8P-VH (PPQ-100)
- 3P+5P+8P/ 3.96mm pitch, P/N:JST B3/5/8P-VH (PPQ-1003)
- Packing ..... 0.62kg ; 24pcs / 15.5kg / 1.34CUFT (PPQ-1003)
- 0.62kg ; 24pcs / 15.9kg / 1.34CUFT (PPQ-100)

Model No.	Output	Tol.	R&N	Effi.	Max.
PPQ-1003A	3.3V, 0.0~15A	±3%	100mV	72%	109W
	5V, 2.0~15A	±3%	100mV		
	12V, 0.2~3.0A	±6%	150mV		
PPQ-1003B	-5V, 0.0~1.0A	±6%	100mV		
	3.3V, 0.0~15A	±3%	100mV	72%	111W
	5V, 2.0~15A	±3%	100mV		
PPQ-1003C	12V, 0.2~3.0A	±6%	150mV		
	-12V, 0.0~1.0A	±6%	120mV		
	3.3V, 0.0~15A	±3%	100mV	72%	110W
PPQ-1003D	5V, 2.0~15A	±3%	100mV		
	15V, 0.2~3.0A	+10%, -5%	180mV		
	-15V, 0.0~1.0A	±6%	150mV		
PPQ-100B	3.3V, 0.0~15A	±3%	100mV	72%	114W
	5V, 2.0~15A	±3%	100mV		
	12V, 0.2~3.0A	±6%	150mV		
PPQ-100C	24V, 0.0~1.0A	±6%	150mV		
	5V, 2.0~15A	±3%	100mV	75%	101W
	12V, 0.3~4.0A	±8%	150mV		
PPQ-100D	-12V, 0.0~1.0A	±5%	100mV		
	-5V, 0.0~1.0A	±5%	100mV		
	5V, 2.0~15A	±3%	100mV	76%	101W
PPQ-100E	15V, 0.3~4.0A	-6%, +10%	150mV		
	-15V, 0.0~1.0A	±5%	100mV		
	-5V, 0.0~1.0A	±5%	100mV		
PPQ-100F	5V, 2.0~10A	±3%	100mV	78%	102W
	24V, 0.3~4.0A	±8%	200mV		
	12V, 0.0~1.0A	±5%	100mV		
PPQ-100G	-12V, 0.0~1.0A	±5%	100mV		

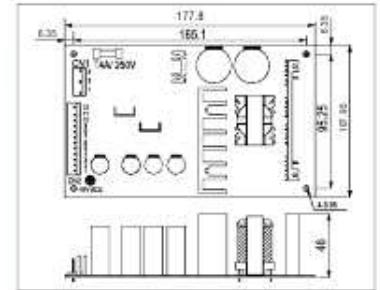
## 100~110W 2, 4 Output Switching Power Supply

- Universal AC input / Full range
- Power good signal output (option)
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 2 years warranty
- To be discontinued. Using MPD-120 & MPQ-120 as replacement for any new applications is highly recommend.



PQ-100

178x 108x 46 mm



- AC input voltage range .. 90~264VAC; 127~370VDC
- AC inrush current ..... Cold start, 50A at 230VAC
- DC adjustment range ..... CH1: -5~+10% rated output voltage
- Overload protection ..... 105%~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°C~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, ENV50204
- Connection ..... 5+12P/ 3.96mm pitch, Molex: 5273-05,12(PD-110)
- 5+6+7P/ 3.96mm pitch, Molex: 5273-05,06,07(PQ-100)
- Packing ..... 0.51kg ; 24pcs / 13.1kg / 1.19CUFT (PD-110)
- 0.56kg ; 24pcs / 14.5kg / 1.19CUFT (PQ-100)

### Quad Output

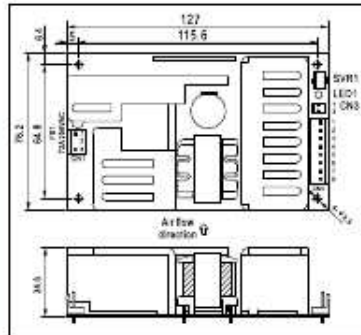
Model No.	Output	Tol.	R&N	Effi.	Max.
PQ-100B	5V, 2.0~10A	±3%	80mV	72%	101W
	12V, 0.5~4.5A	±12%	250mV		
	-5V, 0.0~1.0A	±6%	80mV		
	-12V, 0.0~1.0A	±6%	120mV		
PQ-100C	5V, 2.0~8.0A	±2%	80mV	74%	103W
	15V, 0.5~4.0A	±6%	150mV		
	-5V, 0.0~1.0A	±6%	80mV		
PQ-100D	-15V, 0.0~1.0A	±6%	150mV		
	5V, 2.0~5.0A	±2%	80mV	77%	103W
	12V, 0.5~4.5A	±6%	120mV		
PQ-100E	24V, 0.4~2.0A	±10%	180mV		
	-12V, 0.0~1.0A	±6%	120mV		
	5V, 2.0~8.0A	±2%	80mV	74%	99W
PQ-100F	12V, 0.5~3.0A	±6%	120mV		
	15V, 0.0~1.0A	±6%	150mV		
PQ-100G	24V, 0.0~1.0A	±6%	120mV		

## 125W ,3 Output with PFC Function

- Universal AC input/ Full range
- PF>0.98@115VAC, >0.93@230VAC
- High power density 6.117W/in<sup>3</sup>
- 3"x5" miniature size
- 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



127x 76.2x 34.6 mm



AC input voltage range	90~264VAC; 127~370VDC
AC inrush current	Cold start, 24A at 230VAC
DC adjustment range	CH1: ±5% rated output voltage
Overload protection	130~160% fold back current limiting, auto-recovery
Over voltage protection	CH1:110~135% rated output voltage
Leakage current	Less than 2.0 mA 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°C~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, ENV50204
Connection	3+8P /3.96mm pitch, JST: B3P/B8P-VH (PPS-125) 3+5Px2 /3.96mm pitch, JST: B3P/B5Px2-VH (PPT-125)
Packing	0.37kg; 36pcs / 14.3kg / 0.79CUFT

### ◆ Triple Output

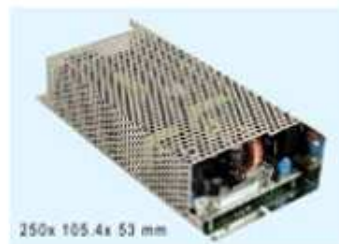
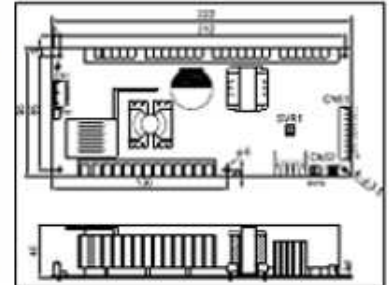
Model No.	Output	Tol.	R&N	Effi.	Max
PPT-125A	3.3V, 1.0~12.5A	±3%	100mV	75%	99W
	5V, 0.8~10.0A	±5%	100mV		
	12V, 0.05~0.63A	±6%	120mV		
PPT-125B	5V, 1.0~14.38A	±3%	100mV	78%	124W
	12V, 0.3~3.75A	±5%	120mV		
	-12V, 0.05~0.63A	±6%	120mV		
PPT-125C	5V, 1.0~13.75A	±3%	100mV	78%	125W
	15V, 0.25~3.13A	±5%	150mV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

## 250W Isolated Dual Output with PFC Function

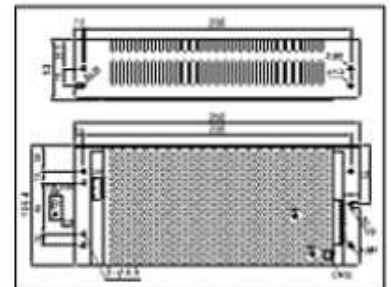
- Universal AC input / Full range
- Isolated output & GND for CH1,CH2
- PF>0.97@115VAC; >0.92@230VAC
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Optional case available
- Cooling by free air convection
- Remote control function for CH1
- Peak load 170% for 10 sec. (CH1)
- 100% 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, 55A at 230VAC
Leakage current	Less than 3.5mA at 240VAC
DC adjustment range	±10% for CH1; ±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: 1.5kVAC, 1minute
Working temperature	-20°C~+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, ENV50204
Connection	5+10+2P/3.96mm pitch JST B5P/B10P-VH, B2B-XH
Packing	0.74Kg ; 18pcs / 14.3Kg / 0.88CUFT

Stock No.	Model No.	Output	Tol.	R&N	Effi.
12311	PID-250A	12V, 0~15A	±3%	120mV	84%
		5V, 0~5.0A	±2%	50mV	
12312	PID-250B	24V, 0~9.4A	±2%	150mV	86%
		5V, 0~5.0A	±2%	50mV	
12313	PID-250C	36V, 0~6.3A	±2%	200mV	86%
		5V, 0~5.0A	±2%	50mV	
12314	PID-250D	48V, 0~4.7A	±2%	200mV	86%
		5V, 0~5.0A	±2%	50mV	