



## Features:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage
- Free air cooling convection
- CH4:±Polarity is selectable
- Fixed switching frequency at 100KHz
- 3 years warranty

## **SPECIFICATION**



MODEL		QP-100-3	Α			QP-100-3	В			QP-100-3C				
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
ОИТРИТ	DC VOLTAGE	5V	3.3V	12V	-5V	5V	3.3V	12V	-12V	5V	3.3V	15V	-15V	
	RATED CURRENT	8A	8A	2.5A	0.6A	8A	8A	2.2A	0.6A	8A	8A	1.7A	0.6A	
	CURRENT RANGE	2 ~ 10A	0 ~ 10A	0.3 ~ 3A	0 ~ 1A	2 ~ 10A	0 ~ 10A	0.3 ~ 3A	0 ~ 1A	2 ~ 10A	0 ~ 10A	0.3 ~ 2A	0 ~ 1A	
	RATED POWER (max.)	99.4W				100W	•			100.9W				
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p 100mVp-p 150mVp-p 150mVp-				
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V CH2: 3.14 ~ 3.63V			~ 3.63V	CH1: 4.75	~ 5.5V	CH2: 3.14	~ 3.63V	CH1: 4.75 ~ 5.5V CH2: 3.14 ~ 3.63V				
	VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	±6.0%	±5.0%	±3.0%	±3.0%	±6.0%	±5.0%	±3.0%	±3.0%	+8,-6%	±5.0%	
	LINE REGULATION	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	
	LOAD REGULATION	±2.0%	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	±2.0%	
	SETUP, RISE TIME	800ms, 50ms/230VAC 800ms, 50ms/115VAC at full load												
	HOLD UP TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load												
	VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC												
INPUT	FREQUENCY RANGE	47 ~ 63Hz												
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load												
	EFFICIENCY (Typ.)	74%				74%				75%				
	AC CURRENT (Typ.)	1.5A/115VAC 0.75A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START ≤40A/230V												
	LEAKAGE CURRENT	<3.5mA / 240VAC												
PROTECTION	OVERLOAD	105 ~ 150% rated output power												
	OVERLUAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
	OVER VOLTAGE	CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V												
	OVER VOLIAGE	Protection type: Shut down o/p voltage, re-power on to recover												
	OVER TEMPERATURE(OPTION)	95°C ±5°C (TSW1)												
	OVER TEMPERATURE(OF HOM)	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down												
	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")												
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH												
	TEMP. COEFFICIENT		C (0~50°C)											
	VIBRATION			in./1cycle, (		h along X, `	Y, Z axes							
	SAFETY STANDARDS			60950-1 ap	·									
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC   I/P-FG:1.5KVAC   O/P-FG:0.5KVAC   I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH												
EMC	ISOLATION RESISTANCE													
(Note 4)	EMC EMISSION	•		022 (CISPF		-								
	EMC IMMUNITY	Complian	ce to EN61	000-4-2,3,4	1,5,6,8,11, 1	EN55024, I	ight industr	y level, crit	teria A					
OTHERS	MTBF	139.9K hrs min. MIL-HDBK-217F ( $25^{\circ}$ C)												
	DIMENSION		0mm (L*W*											
	PACKING			(g/1.28CUF										
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."         <ul> <li>(as available on http://www.meanwell.com)</li> </ul> </li> <li>Derating may be needed under low input voltages. Please check the derating curve for more details.</li> </ol>													





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- Fixed switching frequency at 100KHz
- 3 years warranty

## **SPECIFICATION**



OUTPUT    RATED POWER (max.)   104.8W   100W   103W   103W	MODEL		QP-100-3D				QP-100D				QP-100F				
RATED CURRENT RANGE		OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
CURRENT RANGE   2 - 10A   0 - 10A   0 - 3 - 2A   0 - 11A   2 - 10A   0 - 3A   0 - 3A   0 - 1A   2 - 10A   0 - 3A   0 -		DC VOLTAGE	5V	3.3V	24V	-12V	5V	12V	24V	-12V	5V	15V	24V	-15V	
NATED POWER (max.)   104.8W   100mVpp   150mVpp   150m		RATED CURRENT	8A	8A	1.3A	0.6A	8A	2.4A	1A	0.6A	8A	2A	1A	0.6A	
NUTUAL   RIPPLE & NOISE (max.)   Note.2   100mVp-p  150mVp-p  15		CURRENT RANGE	2 ~ 10A	0 ~ 10A	0.3 ~ 2A	0 ~ 1A	2 ~ 10A	0 ~ 3A	0.3 ~ 2A	0 ~ 1A	2 ~ 10A	0 ~ 3A	0.3 ~ 2A	0 ~ 1A	
VOLTAGE ADJ. RANGE		RATED POWER (max.)					100W	•		•	103W	•		•	
VOLTAGE TOLERANCE   Note 13   10   10   10   10   10   10   10	OUTDUT	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	150mVp-p	150mVp-p	120mVp-p	150mVp-p	200mVp-p	150mVp-p	120mVp-p 180mVp-p 200mVp-p 150mVp-p				
LINE REGULATION	OUTPUT	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V CH2: 3.14 ~ 3.63V			1 ~ 3.63V									
LOAD REGULATION   22.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12.0%   12		VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	±6.0%	±5.0%	±3.0%	±3.0%	±6.0%	±5.0%	±3.0%	±3.0%	±6.0%	±5.0%	
SETUP, RISE TIME		LINE REGULATION	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	
HOLD UP TIME (Typ.)   24ms/230VAC   24ms/115VAC at full load		LOAD REGULATION	±2.0%	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	±2.0%	±2.0%	±2.0%	±6.0%	±2.0%	
VOLTAGE RANGE   Note.   90 - 264VAC   127 - 370VDC		SETUP, RISE TIME	800ms, 50ms/230VAC 800ms, 50ms/115VAC at full load												
REQUENCY RANGE		HOLD UP TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load												
INPUT   EFFICIENCY (Typ.)   75%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%		VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC												
REFICIENCY (Typ.)   75%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78%   78	INPUT	FREQUENCY RANGE	47 ~ 63Hz												
AC CURRENT (Typ.) INRUSH CURRENT (Typ.) COLD START ≤ 40A/230V LEAKAGE CURRENT OVERLOAD  OVERLOAD  OVERLOAD  OVER VOLTAGE  OVER VOLTAGE  OVER TEMPERATURE(OPTION)  WORKING TEMP. OVER TEMPERATURE(OPTION)  WORKING TEMP. OVER OBJECT (TSW1)  Frotection type: Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE(OPTION)  WORKING TEMP. OVER OBJECT (TSW1)  Frotection type: Shut down o/p voltage, re-power on to recover  WORKING TEMP. OVER TEMPERATURE(OPTION)  WORKING TEMP. OVER TEMPERATURE(OPTION)  WORKING TEMP. OVER OBJECT (TSW1)  TEMP. OVER TEMPERATURE(OPTION)  WORKING TEMP. OVER OBJECT (TSW1)  TOTAGE TEMP, HUMIDITY OVER OBJECT (TSW1)  VIBRATION  OVER OBJECT (TSW1)  TEMP. OOSBECT (TSW1)  VIBRATION  OVER OBJECT (TSW1)  OVER OBJECT (TSW1)  TEMP. OOSBECT (TSW1)  OVER OBJECT (TSW1)  OVER OBJECT (TSW1)  OVER OBJECT (TSW1)  OVER OBJECT (TSW1)  TEMP. OOSBECT (TSW1)  OVER OBJECT		POWER FACTOR (Typ.)													
INRUSH CURRENT (Typ.) COLD START ≤40A/230V  LEAKAGE CURRENT		EFFICIENCY (Typ.)	75%				78%				78%				
LEAKAGE CURRENT   <3.5mA / 240VAC		AC CURRENT (Typ.)													
OVERLOAD    105 ~ 150% rated output power   Protection type : Hiccup mode, recovers automatically after fault condition is removed   CH1:5.75 ~ 6.75V		INRUSH CURRENT (Typ.)	COLD START ≤40A/230V												
PROTECTION  OVER VOLTAGE  OVER VOLTAGE  OVER TEMPERATURE(OPTION)  WORKING TEMP.		LEAKAGE CURRENT	<3.5mA / 240VAC												
PROTECTION  OVER VOLTAGE  CH1:5.75 - 6.75V CH2:3.8 ~ 4.4V CH1:5.75 ~ 6.75V CH2:3.8 ~ 16.2V CH1:5.75 - 6.75V CH2:17.25 ~ 20.:  Protection type: Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE(OPTION)  WORKING TEMP.  WORKING TEMP.  -10 ~ +60°C (Refer to "Derating Curve")  WORKING HUMIDITY  20 ~ 90% RH non-condensing  ENVIRONMENT  TEMP. COEFFICIENT  -10 3%/°C (0~50°C)  VIBRATION  SAFETY STANDARDS  UL60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE  WIP-O/P.3KVAC //P-FG:1.5KVAC O/P-FG:0.5KVAC  ISOLATION RESISTANCE  WIP-O/P, I/P-FG, O/P-FG:1.5KVAC O/P-FG:0.5KVAC  ISOLATION RESISTANCE  WIP-O/P, I/P-FG, O/P-FG:1.0M Ohms / 500VDC / 25°C / 70% RH  EMC (Mote 4)  EMC EMISSION  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN550022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  DIMENSION  199°9°50mm (L'W'H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  NOTE  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: Inordes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)															
Protection type: Shut down o/p voltage, re-power on to recover    Protection type: Shut down o/p voltage, re-power on to recover		OVERLOAD													
Profection type: Shut down o/p voltage, re-power on to recover  95℃±5℃ (TSW1)  Protection type: Shut down o/p voltage, recovers automatically after temperature goes down  WORKING TEMP10 ~ +60℃ (Refer to "Derating Curve")  WORKING HUMIDITY 20 ~ 90% RH non-condensing  STORAGE TEMP., HUMIDITY -20 ~ +85℃, 10 ~ 95% RH  TEMP. COEFFICIENT ±0.03%/℃ (0~50℃)  VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY \$  EMC  (Note 4)  EMC  (Note 4)  EMC EMISSION	PROTESTION		CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V CH1:5.75 ~ 6.75V CH2:13.8 ~ 16.2V CH1:5.75 ~ 6.75V CH2:17.25 ~ 20.25V												
WORKING TEMP.   -10 ~ +60°C (Refer to "Derating Curve")	PROTECTION	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover												
WORKING TEMP10 ~ +60°C (Refer to "Derating Curve")  WORKING HUMIDITY 20 ~ 90% RH non-condensing  STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH  TEMP. COEFFICIENT ±0.03%/°C (0~50°C)  VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY STANDARDS UL60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE I/P-O/P.3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC  ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  EMC EMISSION Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF 139.9K hrs min. MIL-HDBK-217F (25°C)  OTHERS  DIMENSION 199*99*50mm (L*W*H)  PACKING 0.87Kg; 20pcs/18.4Kg/1.28CUFT  NOTE 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."		OVER TEMPERATURE (ORTION)	95°C ±5°C (TSW1)												
WORKING HUMIDITY  20 ~ 95% RH non-condensing  STORAGE TEMP., HUMIDITY  -20 ~ +85°C, 10 ~ 95% RH  TEMP. COEFFICIENT  ±0.03%/°C (0-50°C)  VIBRATION  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY STANDARDS  UL60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE  I/P-O/P:3KVAC  I/P-FG:1.5KVAC  O/P-FG:0.5KVAC  ISOLATION RESISTANCE  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  EMC EMISSION  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  139.9K hrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."		OVER TEMPERATURE(OPTION)	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down												
ENVIRONMENT  STORAGE TEMP., HUMIDITY  -20 ~ +85°C, 10 ~ 95% RH  TEMP. COEFFICIENT  ±0.03%/°C (0~50°C)  VIBRATION  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY STANDARDS  UL60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE  I/P-O/P:3KVAC  I/P-FG:1.5KVAC  O/P-FG:0.5KVAC  ISOLATION RESISTANCE  I/P-O/P; I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  EMC EMISSION  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  139.9K hrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  3. Tolerance: includes set up tolerance, line regulation and load regulation.  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."		WORKING TEMP.													
TEMP. COEFFICIENT #0.03%/°C (0~50°C)  VIBRATION 10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY S  SAFETY S  SAFETY STANDARDS UL60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC  ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  EMC EMISSION Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF 139.9K hrs min. MIL-HDBK-217F (25°C)  DIMENSION 199*99*50mm (L*W*H)  PACKING 0.87Kg; 20pcs/18.4Kg/1.28CUFT  NOTE 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."	ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
VIBRATION  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY STANDARDS  UL60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE  I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC  ISOLATION RESISTANCE  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  EMC EMISSION  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  139.9K hrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  3. Tolerance: includes set up tolerance, line regulation and load regulation.  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."		STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH												
SAFETY &  EMC (Note 4)  SAFETY STANDARDS  UL60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE  I/P-O/P:3KVAC  I/P-FG:1.5KVAC  O/P-FG:0.5KVAC  ISOLATION RESISTANCE  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  EMC EMISSION  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  139.9K hrs min.  MIL-HDBK-217F (25°C)  DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  3. Tolerance: includes set up tolerance, line regulation and load regulation.  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."		TEMP. COEFFICIENT	±0.03%/°C (0~50°C)												
SAFETY &  EMC (Note 4)  ISOLATION RESISTANCE  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  EMC EMISSION  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  139.9K hrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."		VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes												
EMC (Note 4)    ISOLATION RESISTANCE   I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		SAFETY STANDARDS	UL60950-	1, TUV EN	60950-1 ap	proved									
(Note 4)  EMC EMISSION  Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3  EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  139.9K hrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)	SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3	KVAC I/F	P-FG:1.5KV	AC O/P-	FG:0.5KVA	.C							
EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  139.9K hrs min. MIL-HDBK-217F (25°C)  DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."  (as available on http://www.meanwell.com)	EMC	ISOLATION RESISTANCE	I/P-O/P, I/	P-FG, O/P-	FG:100M	Ohms / 500	VDC / 25℃	70% RH							
OTHERS    MTBF	(Note 4)	EMC EMISSION	Complian	ce to EN55	022 (CISPF	R22) Class	B, EN6100	0-3-2,-3							
DIMENSION  199*99*50mm (L*W*H)  PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."  (as available on http://www.meanwell.com)		EMC IMMUNITY	Complian	ce to EN61	000-4-2,3,4	4,5,6,8,11, 1	EN55024, I	ight industr	y level, cri	teria A					
PACKING  0.87Kg; 20pcs/18.4Kg/1.28CUFT  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."  (as available on http://www.meanwell.com)	OTHERS	MTBF	139.9K hr	s min. M	IIL-HDBK-2	217F (25°C)	)								
NOTE  1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  3. Tolerance: includes set up tolerance, line regulation and load regulation.  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."  (as available on http://www.meanwell.com)		DIMENSION	199*99*5	0mm (L*W*	H)										
<ol> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."</li> <li>(as available on http://www.meanwell.com)</li> </ol>			0.	•	•										
File Name: QP-100-SPEC 2011-	NOTE														



