



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-100-3A				QP-100-3B				QP-100-3C					
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
	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-				100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	
OUTPUT	VOLTAGE ADJ. RANGE	CH1: 4.75		CH2: 3.14		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													
	FREQUENCY RANGE	47 ~ 63Hz												
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load												
INPUT	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												
	OVERLOAD	105 ~ 150% rated output power												
		Protection type: Hiccup mode, recovers automatically after fault condition is removed												
DDOTECTION	OVER VOLTAGE	CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V												
PROTECTION		Protection type: Shut down o/p voltage, re-power on to recover												
	OVED TEMPEDATURE (ORTION)	95℃ 5℃ (TSW1)												
	OVER TEMPERATURE(OPTION)	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down												
	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)												
	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH												
	TEMP. COEFFICIENT	0.03%/℃ (0~50℃)												
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes												
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved												
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC												
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC												
(Note 4)	EMI CONDUCTION & RADIATION	Complian	ce to EN55	022 (CISPF	R22) Class	В								
, ,	HARMONIC CURRENT	Compliance to EN61000-3-2,-3												
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, 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	Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives.	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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. Derating may be needed under low input voltages. Please check the derating curve for more details. File Name: QP-100-SPEC 2007-10-25												
											rile Name:Q	P-100-SPEC	; 2007-10-2	





Features:

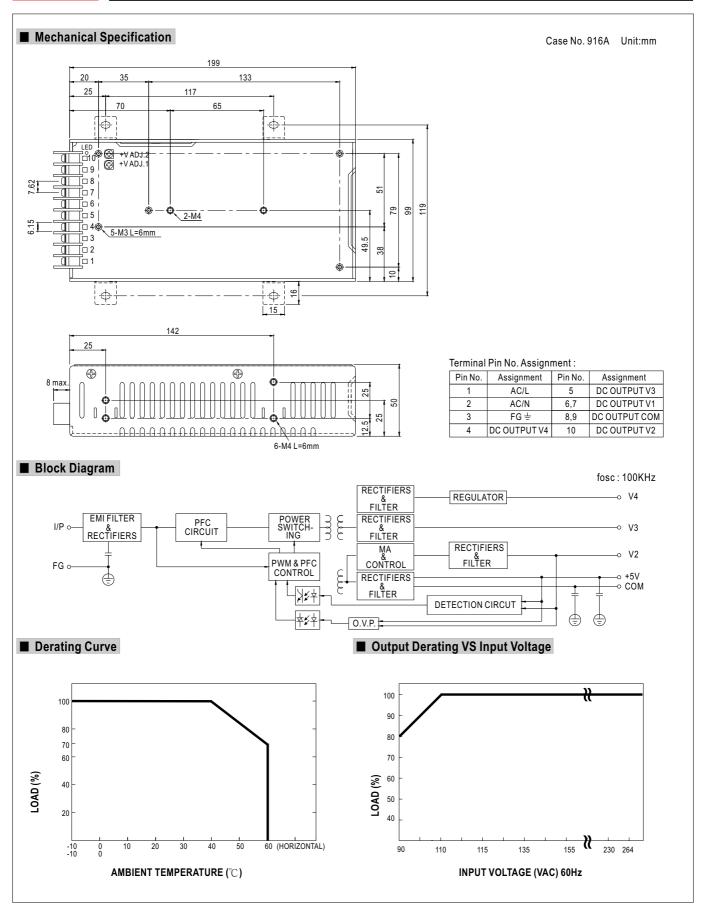
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections:Short circuit/Over load/Over voltage
- Free air cooling convection
- CH4: Polarity is selectable
- Fixed switching frequency at 100KHz
- 3 years warranty

SPECIFICATION



MODEL		QP-100-3D				QP-100D				QP-100F				
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
	DC VOLTAGE	5V	3.3V	24V	-12V	5V	12V	24V	-12V	5V	15V	24V	-15V	
	RATED CURRENT	8A	8A	1.3A	0.6A	8A	2.4A	1A	0.6A	8A	2A	1A	0.6A	
	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	
	RATED POWER (max.)	104.8W				100W				103W				
OUTDUT	RIPPLE & NOISE (max.) Note.2	2 100mVp-p 100mVp-p 150mVp-p 150mVp-				120mVp-p	150mVp-p	200mVp-p	150mVp-p	120mVp-p 180mVp-p 200mVp-p 150mVp-				
OUTPUT	VOLTAGE ADJ. RANGE	CH1: 4.75	~ 5.5V	CH2: 3.14	4 ~ 3.63V	CH1: 4.75	~ 5.5V	CH2: 11.4	~ 13.2V	CH1: 4.75	~ 5.5V	CH2: 14.	3 ~ 16.5V	
	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%	
	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 TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load												
	VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC												
	FREQUENCY RANGE	47 ~ 63Hz												
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load												
INPUT	EFFICIENCY (Typ.)	75%				78%				78%				
	AC CURRENT (Typ.)	1.5A/115VAC 0.75A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START ≤40A/230V												
	LEAKAGE CURRENT	<3.5mA / 240VAC												
		105 ~ 150% rated output power												
	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
		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 ~ 20.25												
PROTECTION	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover												
		95°C 5°C (TSW1)												
	OVER TEMPERATURE(OPTION)	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down												
	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)												
	WORKING HUMIDITY	20 ~ 90% RH non-condensing												
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:3	KVAC I/F	P-FG:1.5KV	/AC O/P-	FG:0.5KVA	C							
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/	P-FG, O/P-	FG:100M	Ohms/500\	/DC								
EMC	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B												
(Note 4)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3												
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A												
OTHERS	MTBF	139.9K hr	s min. N	IIL-HDBK-2	217F (25°C)								
	DIMENSION	199*99*5	Omm (L*W*	H)										
	PACKING		0pcs/18.4K		₹T									
NOTE	All parameters NOT specia Ripple & noise are measure Tolerance: includes set up The power supply is consid EMC directives. Derating may be needed ur	ed at 20MH tolerance, lered a con	Iz of band line regula nponent wi	width by us tion and lo nich will be	sing a 12" i ad regulati installed i	wisted pair on. nto a final	r-wire termi equipment.	nated with The final e	a 0.1uf & 4	17uf parall	·	that it still		









Features :

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

SPECIFICATION



OUTPUT NUMBER CH1	MODEL		QP-100B				QP-100C								
RATED CURRENT 10A 3A 1A 0.6A 10A 2.2A 1A		OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4					
CURRENT RANGE		DC VOLTAGE	5V	12V	-12V	-5V	5V	15V	-15V	-5V					
NATED POWER (max.) 1011W		RATED CURRENT	10A	3A	1A	0.6A	10A	2.2A	1A	0.6A					
NUTPUT RIPPLE & NOISE (max.) Note.2 100mVp-p 150mVp-p 150mVp-p 100mVp-p 100mVp-p 150mVp-p 15		CURRENT RANGE	2 ~ 10A	0.3 ~ 4A	0.15 ~ 1A	0 ~ 1A	2 ~ 10A	0.3 ~ 3A	0.15 ~ 1A	0 ~ 1A					
VOLTAGE ADJ. RANGE		RATED POWER (max.)	101W	'	<u>'</u>		101W								
VOLTAGE ADJ. RANGE	OUTDUT	RIPPLE & NOISE (max.) Note.2	100mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p					
LINE REGULATION	OUIPUI	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5\	ĺ			CH1:4.75 ~ 5.5V								
LOAD REGULATION 2.0% 6.0% 6.0% 2.0% 2.0% 2.0% 6.0% 6.0%		VOLTAGE TOLERANCE Note.3	3.0%	6.0%	+10,-6%	5.0%	3.0%	+6,-10%	8.0%	5.0%					
SETUP, RISE TIME		LINE REGULATION	1.0%	2.0%	2.0%	1.0%	1.0%	2.0%	2.0%	1.0%					
HOLD UP TIME (Typ.) 24ms at full load VOLTAGE RANGE Note: 59 0 - 264VAC 127 ~ 370VDC FREQUENCY RANGE 47 ~ 63Hz PF>0.98/115VAC at full load PF>0.98/115VAC at full load derating curve PF>0.98/115VAC at full load at full load at full load at full load at full		LOAD REGULATION	2.0%	6.0%	6.0%	2.0%	2.0%	2.0%	6.0%	2.0%					
VOLTAGE RANGE Note.5 90 ~ 264VAC 127 ~ 370VDC		SETUP, RISE TIME	1000ms, 50ms	at full load											
FREQUENCY RANGE 47 - 63Hz		HOLD UP TIME (Typ.)													
POWER FACTOR (Typ.) PF>0.95/230VAC PF>0.98/115VAC at full load		VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC												
REFICIENCY (Typ.) 76% 77% AC CURRENT (Typ.) 1.5A/115VAC 0.75A/230VAC INRUSH CURRENT (Typ.) 1.5A/115VAC 0.75A/230VAC INRUSH CURRENT (Typ.) 1.5A/115VAC 0.75A/230VAC INRUSH CURRENT <		FREQUENCY RANGE													
AC CURRENT (Typ.) 1.5A/115VAC 0.75A/230VAC INRUSH CURRENT (Typ.) COLD START 40A LEAKAGE CURRENT <3.5mA / 240VAC OVERLOAD 105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed OVER VOLTAGE CH1:5.75 ~ 6.75V Protection type : Shut down o/p voltage, re-power on to recover OVER TEMPERATURE(OPTION) WORKING TEMP. -10 ~ +60°C (Refer to output load derating curve) WORKING HUMIDITY 20 ~ 90% RH non-condensing ENVIRONMENT TEMP. COEFFICIENT 0.03%/*C (0-50°C) VIBRATION 10 ~ 500Hz, 26 10min./1cycle, 60min. each along X, Y, Z axes SAFETY & SAFETY \$ SAFETY \$ SAFETY \$ STANDARDS UL60950-1, TUV EN60950-1 approved WITHSTAND VOLTAGE I/P-O/P;3KVAC I/P-FG;0.5KVAC EMC (Note 4) HARMONIC CURRENT Compliance to EN5022 (CISPR22) Class B HARMONIC CURRENT Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199°9°50mm (L*W*H) PACKING 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. The final equipment must be re-confirmed that the province of the confirmed that in the confirme		POWER FACTOR (Typ.)													
INRUSH CURRENT (Typ.) COLD START 40A LEAKAGE CURRENT <3.5mA / 240VAC OVERLOAD 105 ~ 135% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed CH1:5.75 ~ 6.75V Protection type: Shut down o/p voltage, re-power on to recover OVER TEMPERATURE(OPTION) 95°C 5°C (TSW1) Protection type: Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP. 10 ~ 460°C (Refer to output load derating curve) WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP, HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP, HUMIDITY 10 ~ 35% RH TEMP. COEFFICIENT 0.03%/°C (0-50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes SAFETY \$1ANDARDS UL60950-1, TUV EN60950-1 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC SOLATION RESISTANCE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC EMI CONDUCTION & RADIATION Compliance to EN61000-3-2,-3 EMS IMMUNITY COMPLIANCE TO THE TIME TO THE	INPUT	EFFICIENCY (Typ.)	76% 77%												
LEAKAGE CURRENT <3.5mA / 240VAC		AC CURRENT (Typ.)	1.5A/115VAC 0.75A/230VAC												
PROTECTION OVER VOLTAGE OVER TUBERATURE(OPTION) OVER TEMPERATURE(OPTION) WORKING TEMP. OVER HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY 20 ~ 90% RH non-condensing WIBRATION 10 ~ 500Hz, 26 10min./1cycle, 60min. each along X, Y, Z axes SAFETY & EMC (Note 4) EMC (Note 4) EMC (Note 4) HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199*99*50mm (L*W'H) PACKING 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		INRUSH CURRENT (Typ.)													
PROTECTION OVER VOLTAGE CH1:5.75 ~ 6.75V Protection type : Shut down o/p voltage, re-power on to recover 95°C 5°C (TSW1) Protection type : Shut down o/p voltage, re-power on to recover 95°C 5°C (TSW1) Protection type : Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP. 40 ~ 60°C (Refer to output load derating curve) WORKING HUMIDITY 20 ~ 90°R RH non-condensing STORAGE TEMP, HUMIDITY 20 ~ 85°C, 10 ~ 95% RH TEMP. COEFFICIENT 0.03%°C (0~50°C) VIBRATION 10 ~ 500Hz, 26 10min./1cycle, 60min. each along X, Y, Z axes SAFETY \$ SAFETY STANDARDS WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P; J/P-FG, 0/P-FG:1.0M Ohms/500VDC EMICONDUCTION & RADIATION Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 13.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION PACKING 1. Klg; 20pcs/22Kg/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		LEAKAGE CURRENT	<3.5mA / 240VAC												
PROTECTION OVER VOLTAGE CH1:5.75 ~ 6.75V Protection type : Shut down o/p voltage, re-power on to recover OVER TEMPERATURE(OPTION) Protection type : Shut down o/p voltage, re-power on to recover STORAGE TEMP. WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION UIGOS50-1, TUV EN60950-1 approved WITHSTAND VOLTAGE MUTHSTAND VOLTAGE IP-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE IM-O/P. I/P-FG, O/P-FG:100M Ohms/500VDC EMI CONDUCTION & RADIATION Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-3-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 1-ACKING 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 0.1 uf & 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			105 ~ 135% rated output power												
Protection type : Shut down o/p voltage, re-power on to recover VOER TEMPERATURE(OPTION) Protection type : Shut down o/p voltage, re-power on to recover		OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
Protection type: Shut down o/p voltage, re-power on to recover 95°C 5°C (TSW1) Protection type: Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP10 ~ +60°C (Refer to output load 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 \$\frac{8}{100} \text{ WITHSTAND VOLTAGE } \text{ \$\mu P-O/P}\$:3KVAC \text{ \$\mu P-G:1.5KVAC } \text{ \$\mu P-G:1.5KVAC } \text{ \$\mu P-G:0.5KVAC } \text{ \$\mu P-G:1.5KVAC } \$\mu P-G:1.5KVAC	DECTECTION	OVED VOLTACE	CH1:5.75 ~ 6.75V												
WORKING TEMP.	PROTECTION	OVER VOLIAGE	Protection type: Shut down o/p voltage, re-power on to recover												
WORKING TEMP. -10 ~ +60°C (Refer to output load 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 \$ SAFETY STANDARDS UL60950-1, TUV EN60950-1 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-G:1.5KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE EMI CONDUCTION & RADIATION Compliance to EN55022 (CISPR22) Class B HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199*99*50mm (L*W*H) PACKING 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		OVED TEMPERATURE (ORTION)													
WORKING HUMIDITY 20 ~ 90% RH non-condensing		OVER TEMPERATURE(OPTION)	Protection type: Snut down o/p voltage, recovers automatically after temperature goes down												
ENVIRONMENT STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH		WORKING TEMP.	, , , , , , , , , , , , , , , , , , , ,												
TEMP. COEFFICIENT 0.03%/°C (0~50°C) VIBRATION		WORKING HUMIDITY	20 ~ 90% RH non-condensing												
VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH												
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 EMI CONDUCTION & RADIATION Compliance to EN55022 (CISPR22) Class B HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199*99*50mm (L*W*H) PACKING 1.1Kg; 20pcs/22Kg/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	ļ	TEMP. COEFFICIENT	- (-)												
WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC SAFETY & ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC EMI CONDUCTION & RADIATION Compliance to EN55022 (CISPR22) Class B HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, 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 1.1Kg; 20pcs/22Kg/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		VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes												
SAFETY & EMC (Note 4) EMI CONDUCTION & RADIATION COmpliance to EN55022 (CISPR22) Class B HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199*99*50mm (L*W*H) PACKING 1.1Kg; 20pcs/22Kg/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		SAFETY STANDARDS													
EMC (Note 4) EMI CONDUCTION & RADIATION Compliance to EN55022 (CISPR22) Class B HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199*99*50mm (L*W*H) PACKING 1.1Kg; 20pcs/22Kg/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	EMC	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC												
(Note 4) HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199*99*50mm (L*W*H) PACKING 1.1Kg; 20pcs/22Kg/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		ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC												
HARMONIC CURRENT Compliance to EN61000-3-2,-3 EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A MTBF 139.9K hrs min. MIL-HDBK-217F (25°C) DIMENSION 199*99*50mm (L*W*H) PACKING 1.1Kg; 20pcs/22Kg/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		EMI CONDUCTION & RADIATION		•	,										
OTHERS MTBF		HARMONIC CURRENT	Compliance to EN61000-3-2,-3												
OTHERS DIMENSION 199*99*50mm (L*W*H) PACKING 1.1Kg; 20pcs/22Kg/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		EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A												
PACKING 1.1Kg; 20pcs/22Kg/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	OTHERS	MTBF	139.9K hrs min. MIL-HDBK-217F (25℃)												
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		DIMENSION	199*99*50mm	(L*W*H)											
 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that 		1 1	<u> </u>												
5. Derating may be needed under low input voltages. Please check the derating curve for more details.	NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives.	Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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.												



