



## Features:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- CH1,2 can be adjustable from -5~+10%
- With power good and fail signal output(Optional)
- Built-in remote sense function for CH1,2
- 100% full load burn-in test
- CH4 can set to positive after consult us before delivery(Optional)
- Fixed switching frequency at PFC:67KHz PWM:134KHz
- 3 years warranty





## **SPECIFICATION**

MODEL		QP-200D				QP-200F				QP-200-3A					
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4		
	DC VOLTAGE	5V	12V	24V	-12V	5V	15V	24V	-15V	5V	3.3V	12V	-5V		
	RATED CURRENT	15A	4A	3A	0.7A	15A	3A	3A	0.7A	15A	15A	6A	0.7A		
	CURRENT RANGE	3 ~ 20A	0 ~ 6A	0.4 ~ 5A	0 ~ 1A	3 ~ 20A	0 ~ 5A	0.4 ~ 5A	0 ~ 1A	3 ~ 20A	0 ~ 20A	0.5 ~ 8A	0 ~ 1A		
	RATED POWER	203.4W				202.5W				200W					
	PEAK CURRENT Note.4	20A	7A	6A	1A	20A	6A	6A	1A	20A	20A	8A	1A		
OUTPUT	RIPPLE & NOISE (max.) Note.2	100mVp-r	150mVp- <sub>I</sub>	150mVp-p	150mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-r	0 150mVp-p	150mVp		
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V CH2: 11.4 ~ 13.2V				CH1: 4.75 ~ 5.5V CH2: 14.25 ~ 16.5V			CH1: 4.75 ~ 5.5V CH2: 3.14 ~ 3.63V						
	VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	+10,-6%	±6.0%	±3.0%	±3.0%	+10,-6%	±6.0%	±3.0%	±3.0%	+8,-10%	±6.0%		
	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, 5	Oms at full	load						1	ı				
	HOLD UP TIME (Typ.)	24ms at full load													
	VOLTAGE RANGE Note.6														
	FREQUENCY RANGE	47 ~ 63Hz													
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load													
INPUT	EFFICIENCY (Typ.)	75%				75%				72%					
	AC CURRENT (Typ.)	3.5A/115VAC 2A/230VAC													
	INRUSH CURRENT (Typ.)	COLD START 30A													
	LEAKAGE CURRENT	<2mA / 240VAC													
		105 ~ 150% rated output power													
	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed													
PROTECTION	0//50 //0/ 74 05	CH1:5.75 ~ 6.75V CH2:13.8 ~ 16.2V CH1: 5.75 ~ 6.75V CH2:17.25 ~ 20.25V CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V													
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover													
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down													
FUNCTION	POWER GOOD / POWER FAIL (OPTIONAL)	10ms/1ms													
	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")													
	WORKING HUMIDITY	20 ~ 90% RH non-condensing													
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 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													
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC													
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH													
(Note 5)	EMC EMISSION	Complian	ce to EN5	5022 (CISPI	R22) Class	B, EN6100	0-3-2,-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A													
OTHERS	MTBF	160.6K hrs min. MIL-HDBK-217F (25°C)													
	DIMENSION	215*115*50mm (L*W*H)													
	PACKING	1.2Kg; 12pcs/15.4Kg/0.92CUFT													
NOTE	Ripple & noise are measure     Tolerance: includes set up     3.3% Duty cycle maximun     The power supply is consided     EMC directives. For guidan     (as available on http://www.	Illy mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  tolerance, line regulation and load regulation.  n within every 30 seconds. Average output power should not exceed the rated power.  ered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets ce on how to perform these EMC tests, please refer to "EMI testing of component power supplies."  .meanwell.com)  nder low input voltages. Please check the derating curve for more details.													





# Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- CH1,2 can be adjustable from -5~+10%
- With power good and fail signal output(Optional)
- Built-in remote sense function for CH1,2
- 100% full load burn-in test
- CH4 can set to positive after consult us before delivery(Optional)
- Fixed switching frequency at PFC:67KHz PWM:134KHz
- 3 years warranty







#### **SPECIFICATION**

MODEL		QP-200-3B				QP-200-3C				QP-200-3D				
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
	DC VOLTAGE	5V	3.3V	12V	-12V	5V	3.3V	15V	-15V	5V	3.3V	24V	-12V	
	RATED CURRENT	15A	15A	6A	0.7A	15A	15A	5A	0.7A	10A	15A	4A	0.7A	
	CURRENT RANGE	3 ~ 20A	0 ~ 20A	0.5 ~ 8A	0 ~ 1A	3 ~ 20A	0 ~ 20A	0.5 ~ 6A	0 ~ 1A	3 ~ 15A	0 ~ 20A	0.4 ~ 5A	0 ~ 1A	
	RATED POWER	204.9W				210W				203.9W				
	PEAK CURRENT Note.4	20A	20A	8A	1A	20A	20A	7A	1A	20A	20A	6A	1A	
OUTPUT	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	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%	+8,-10%	±6.0%	±3.0%	±3.0%	+10,-6%	±6.0%	±3.0%	±3.0%	+10,-6%	±6.0%	
	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, 50	ms at full lo	oad										
	HOLD UP TIME (Typ.)	24ms at fu	II load											
	VOLTAGE RANGE Note.6													
	FREQUENCY RANGE	47 ~ 63Hz												
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load												
INPUT	EFFICIENCY (Typ.)	72%												
	AC CURRENT (Typ.)	3.5A/115VAC 2A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START 30A												
	LEAKAGE CURRENT	<2mA / 240VAC												
		105 ~ 150% rated output power												
	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed												
PROTECTION		CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V												
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover												
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down												
FUNCTION	POWER GOOD / POWER FAIL (OPTIONAL)	10ms/1ms	3											
	WORKING TEMP.	-10 ~ +60 °C (Refer to "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°C)												
	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:2KVAC O/P-FG:0.5KVAC												
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH												
(Note 5)	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												
OTHERS	MTBF	160.6K hrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	215*115*50mm (L*W*H)												
	PACKING	1.2Kg; 12	pcs/15.4Kg	j/0.92CUF1										
NOTE	Ripple & noise are measure     Tolerance: includes set up     3.3% Duty cycle maximun     The power supply is consid     EMC directives. For guidan     (as available on http://www.	ly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  It at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  It tolerance, line regulation and load regulation.  It within every 30 seconds. Average output power should not exceed the rated power.  It is error a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets be on how to perform these EMC tests, please refer to "EMI testing of component power supplies."												



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OUTPUT NUMBER   OH1	MODEL		QP-200-3E									
RATED CURRENT   10.A		OUTPUT NUMBER	CH1	CH2	CH3	CH4						
CURRENT RANGE		DC VOLTAGE	5V	3.3V	24V	-15V						
RATED POWER   266W   PEAK CURRENT Not-A   20A		RATED CURRENT	10A	15A	4A	0.7A						
PEAK CURRENT   Note 4   20.0   20.0   20.0   6.0   1A		CURRENT RANGE	3 ~ 15A	0 ~ 20A	0.4 ~ 5A	0 ~ 1A						
NUTLINE   NOISE (max.) Note 2   100mVp-p   150mVp-p		RATED POWER	206W									
VOLTAGE ADJ. RANGE		PEAK CURRENT Note.4	20A	1A								
VOLTAGE TOLERANCE Note.3   23.0%   23.0%   20.0%   21.0%   2	OUTPUT	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	150mVp-p	150mVp-p						
LINE REGULATION		VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V CH2: 3.14	4 ~ 3.63V								
LOAD REGULATION   ±2.0%   ±2		VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	+10,-6%	±6.0%						
SETUP, RISE TIME		LINE REGULATION	±1.0%	±1.0%	±2.0%	±1.0%						
NOLD TIME (Typ.)   24ms at full load   27 - 370 VDC   FREQUENCY RANGE   47 - 631/12   POWER FACTOR (Typ.)   PF-0.98/230VAC   PF-0.98/115VAC at full load   PF-0.98/230VAC   PF-0.98/230VA		LOAD REGULATION	±2.0%	±2.0%	±6.0%	±2.0%						
VOLTAGE RANGE		SETUP, RISE TIME	800ms, 50ms at full load									
VOLTAGE RANGE   Note 6   90 - 264VAC   127 - 370VDC		HOLD TIME (Typ.)	24ms at full load									
NPUT   PROUNCY RANGE   47 - 63Hz   PF>0.95/230VAC   PF>0.98/115VAC at full load   PF>0.98/115V		, , ,										
NPUT   FFFCEROR (Typ.)   PF>0.95/230VAC   PF>0.98/115VAC at full load			47 ~ 63Hz									
NPUT   AC CURRENT (Typ.)   3.5A/115VAC   2A/230VAC   INSUSH CURRENT (Typ.)   3.5A/115VAC   2A/230VAC   INSUSH CURRENT (Typ.)   COLD START 30A   CAMA/ 240VAC   LEAKAGE CURRENT   4.7240VAC   Protection type: Constant current limiting, recovers automatically after fault condition is removed   Protection type: Constant current limiting, recovers automatically after fault condition is removed   Protection type: Shut down of pvoltage, re-power on to recover   Protection type: Shut down of pvoltage, re-power on to recover   Protection type: Shut down of pvoltage, re-power on to recover   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvoltage, re-power automatically after fault condition is removed   Protection type: Shut down of pvoltage, re-power automatically after fault condition is removed   Protection type: Shut down of pvoltage, re-power automatically after fault condition is removed   Protection type: Shut down of pvoltage, re-power automatically after fault condition is removed   Protection type: Shut down of pvoltage, re-power automatically after fault condition is removed   Protection type: Shut down of pvoltage, re-power automatically after temperature goes down   Protection type: Shut down of pvolt												
AC CURRENT (Typ.)   3.5A/115VAC	INPUT	( • • • )										
INRUSH CURRENT (Typ.)   COLD START 30A     LEAKAGE CURRENT   <2mA / 240VAC     DVERLOAD   105 ~ 150% rated output power     Protection type : Constant current limiting, recovers automatically after fault condition is removed	• .	( ) (	··									
LEAKAGE CURRENT												
PROTECTION   OVER LOAD   105 ~ 150% rated output power   Protection type : Constant current limiting, recovers automatically after fault condition is removed												
PROTECTION OVER VOLTAGE  OVER TOLTAGE  CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V Protection type: Sbutt down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  OVER TEMPERATURE  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  OVER TEMPERATURE  Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE  OVER TEMPERATURE												
PROTECTION OVER VOLTAGE  CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V Protection type : Shut down o/p voltage, re-power on to recover  OVER TEMPERATURE Shut down o/p voltage, re-power on to recover  Shut down o/p voltage, re-power on to recover  WORK GOOD / POWER FALI(POPTIONAL) 10ms/1ms  WORKING TEMP.  10 ~ +60°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing  ENVIRONMENT 10 * +60°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing  STORAGE TEMP., HUMIDITY 20 ~ +85°C, 10 ~ 95% RH  TEMP. COEFFICIENT 10 . 03%/°C (0~50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  AFETY STANDARDS UL60950-1, TUV EN60950-1 approved WITHSTAND VOLTAGE UP-O/P, I/P-FG, C/P-FG:ZKVAC O/P-FG:0.5KVAC SOLATION RESISTANCE WITHSTAND COMPILIANCE WITHSTAND VOLTAGE WITHSTAND VIDENATURE WITHSTAND VOLTAGE WITHSTAND VIDENATURE WITHSTAND VIDENATURE WITHSTAND VIDENATURE WITHSTAND VIDENATURE  ***COSTANDARY WITHSTAND **VIDENATURE ***COSTANDARY WITHSTAND VIDENATURE ***COSTANDARY WITHSTAND VIDENATURE ***COSTANDARY WITHSTAND VIDENATURE ***COSTANDARY WITHSTANDARY WITHSTANDARY WITHSTANDARY  ***COSTANDARY WITHSTANDARY WITHSTANDARY  ***COSTANDARY WITHSTANDARY  ***COSTANDARY WITHSTANDARY  ***COSTANDARY WITHSTANDARY  ***CO		OVERLOAD										
Protection type : Shut down o/p voltage, re-power on to recover	PROTECTION	OVER VOLTAGE										
FUNCTION   POWER GOOD / POWER FAIL (OPTIONAL)   10 ms/1 ms			Protection type : Shut down o/p	voltage, re-power on to recover								
WORKING TEMP.   -10 ~ +60°C (Refer to "Derating Curve")   WORKING HUMIDITY   20 ~ 90% RH non-condensing		OVER TEMPERATURE										
WORKING HUMIDITY   20 ~ 90% RH non-condensing	FUNCTION	POWER GOOD / POWER FAIL (OPTIONAL)										
ENVIRONMENT  TEMP. COEFFICIENT  #0.03%/°C (0-50°C)  VIBRATION  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY & TEMP. TEMP		WORKING TEMP.										
TEMP. COEFFICIENT  # 0.03%/°C (0~50°C)  VIBRATION  # 10~500Hz, 2G 1 omin./1cycle, 60min. each along X, Y, Z axes  # SAFETY STANDARDS  # UL60950-1, TUV EN60950-1 approved  # WITHSTAND VOLTAGE  # I/P-O/P:3KVAC		WORKING HUMIDITY	20 ~ 90% RH non-condensing									
VIBRATION 10 - 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  SAFETY STANDARDS UL.60950-1, TUV EN60950-1 approved  WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC 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 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 160.6K hrs min. MIL-HDBK-217F (25°C)  DIMENSION 215*115*50mm (L*W*H)  PACKING 1.2Kg; 12pcs/15.4Kg/0.92CUFT  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. 33.3% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power. 5. 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) 6. Derating may be needed under low input voltages. Please check the derating curve for more details.	ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH									
SAFETY & WITHSTAND VOLTAGE		TEMP. COEFFICIENT	±0.03%/°C (0~50°C)									
SAFETY & EMC (Note 5)     SOLATION RESISTANCE   I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		VIBRATION										
SOLATION RESISTANCE   I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH												
(Note 5)  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 160.6K hrs min. MIL-HDBK-217F (25°C)  DIMENSION 215*115*50mm (L*W*H)  PACKING 1.2Kg; 12pcs/15.4Kg/0.92CUFT  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. 33.3% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power. 5. 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) 6. Derating may be needed under low input voltages. Please check the derating curve for more details.	SAFETY &											
EMC IMMUNITY  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A  MTBF  160.6K hrs min. MIL-HDBK-217F (25°C)  DIMENSION  215*115*50mm (L*W*H)  PACKING  1.2Kg; 12pcs/15.4Kg/0.92CUFT  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. 33.3% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power. 5. 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) 6. Derating may be needed under low input voltages. Please check the derating curve for more details.												
MTBF   160.6K hrs min. MIL-HDBK-217F (25°C)	(Note 5)											
OTHERS  DIMENSION  215*115*50mm (L*W*H)  PACKING  1.2Kg; 12pcs/15.4Kg/0.92CUFT  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. 33.3% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power. 5. 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) 6. Derating may be needed under low input voltages. Please check the derating curve for more details.			Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A									
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