



■ 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

SPECIFIC	ATION					•• ••			UL62368-1	EN6236		04 IEC62368	-1
MODEL		QP-200D				QP-200F				QP-200-3	A		
	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-p	150mVp-p	150mVp-p	150mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-p	150mVp-p	150mV
	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%	±2.09
	SETUP, RISE TIME	800ms, 50ms at full load											
	HOLD UP TIME (Typ.)	24ms 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% 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		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)												
	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 non-condensing											
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)											
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes											
	SAFETY STANDARDS	UL62368-1, TUV EN62368-1, EAC TP TC 004 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 6)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020											
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020											
	MTBF	160.6K hrs min. MIL-HDBK-217F (25°C)											
OTHERS	DIMENSION	215*115*50mm (L*W*H)											
	PACKING	1.2Kg; 12pcs/15.4Kg/0.92CUFT											
NOTE	All parameters NOT special Ripple & noise are measure Tolerance : includes set up	ly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. de dat 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. within every 30 seconds. Average output power should not exceed the rated power.											

- 4. 33.3% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power.5. Derating may be needed under low input voltages. Please check the derating curve for more details.
- 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. 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)

 7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).





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- CH1,2 can be adjustable from -5~+10%
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- 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	AHON	QP-200-3	D			QP-200-3	r		UL62368-1	QP-200-3		04 IEC62368	-1	
WODEL				0110	0114			0110	0114			0110	0114	
	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	T			210W	1		I	203.9W		1		
	PEAK CURRENT Note.4		20A	8A	1A	20A	20A	7A	1A	20A	20A	6A	1A	
OUTPUT	RIPPLE & NOISE (max.) Note.2													
	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%	+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, 50ms at full load												
	HOLD UP TIME (Typ.)	24ms 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.)	72% 72% 74%												
	AC CURRENT (Typ.)	3.5A/115VAC 2A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START 30A												
	LEAKAGE CURRENT	<2mA/240VAC												
		105 ~ 150% rated output power												
PROTECTION	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed												
	01/50 1/01 74 05	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°C, 10 ~ 95% RH non-condensing												
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)												
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes												
	SAFETY STANDARDS	UL62368-1, TUV EN62368-1, EAC TP TC 004 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 6)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020												
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020												
OTHERS	MTBF	160.6K hi		/IL-HDBK-2			-		· · ·					
	DIMENSION	215*115*50mm (L*W*H)												
	PACKING	1.2Kg; 12pcs/15.4Kg/0.92CUFT												
NOTE	All parameters NOT special Ripple & noise are measure Tolerance : includes set up	lly 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.												

- 4. 33.3% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power.
- 5. Derating may be needed under low input voltages. Please check the derating curve for more details.
- 6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. 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)

 7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).





Features :

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- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
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- Built-in remote sense function for CH1,2
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SPECIFICATION

MODEL		QP-200-3E										
WODEL	OUTDUT NUMBER		CHO	CH2	CHA							
ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH3 24V	CH4							
	DC VOLTAGE	5V	3.3V	24V 4A	-15V 0.7A							
	RATED CURRENT	10A	15A		*****							
	CURRENT RANGE	3 ~ 15A	0 ~ 20A	0.4 ~ 5A	0 ~ 1A							
	RATED POWER	206W										
	PEAK CURRENT Note.4		20A	6A	1A							
	RIPPLE & NOISE (max.) Note.2		100mVp-p	150mVp-p	150mVp-p							
	VOLTAGE ADJ. RANGE		4 ~ 3.63V	10.00/	1.000							
	VOLTAGE TOLERANCE Note.3		±3.0%	+10,-6%	±6.0%							
	LINE REGULATION	±1.0%	±1.0% ±2.0%	±2.0% ±6.0%	±1.0%							
	LOAD REGULATION	±2.0%	±2.0%									
	SETUP, RISE TIME	800ms, 50ms at full load										
	HOLD UP TIME (Typ.)	24ms at full load										
	VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC										
	FREQUENCY RANGE	47 ~ 63Hz										
	POWER FACTOR (Typ.)	PF>0.95/230VAC										
NPUT	EFFICIENCY (Typ.)	74%										
	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										
ROTECTION	01/50 1/01 74 05	CH1:5.75 ~ 6.75V CH2:3.	8 ~ 4.4V									
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover										
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UNCTION	POWER GOOD / POWER FAIL (OPTIONAL)	10ms/1ms										
	WORKING TEMP.	-10 ~ +60 °C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
NVIRONMENT	STORAGE TEMP., HUMIDITY	$-20 \sim +85^{\circ}\mathrm{C}$, 10 \sim 95% RH non-condensing										
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes										
	SAFETY STANDARDS	UL62368-1, TUV EN62368-1, EAC TP TC 004 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 6)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020										
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020										
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 maximum Derating may be needed ur The power supply is consid	In Large, 12pcs 10-4rtgr6.22-001 The final equipment must be re-confirmed that it still meets EMC directives. Englished and 25°C of ambient temperature. In within every 30 seconds. Average output power should not exceed the rated power. Indeed a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on the with 1 man of this kness. The final equipment must be re-confirmed that it still meets EMC directives. Englished on how to										

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