



QP-150 series



■ Features :

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

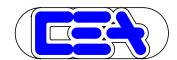
SPECIFICATION



MODEL		QP-150-3A				QP-150-3B				QP-150-3C			
	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	10A	10A	5A	0.6A	10A	10A	5A	0.6A	10A	10A	4A	0.6A
	CURRENT RANGE	3 ~ 15A	0 ~ 15A	0.4 ~ 5A	0 ~ 1A	3 ~ 15A	0 ~ 15A	0.4 ~ 5A	0 ~ 1A	3 ~ 15A	0 ~ 15A	0.4 ~ 5A	0 ~ 1A
	RATED POWER (max.)	146W				150.2W				152W			
ОИТРИТ	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 150mV			
	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	4 ~ 3.63\
	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 1800ms, 50ms/115VAC at full load											
	HOLD UP TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load											
	VOLTAGE RANGE	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.)	73% 75% 74%											
	AC CURRENT (Typ.)	2.5A/115VAC 1.2A/230VAC											
	INRUSH CURRENT (Typ.)	COLD START ≤40A/230V											
	LEAKAGE CURRENT	<3.5mA/240VAC											
PROTECTION		105 ~ 150% rated output power											
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
	OVERVOLTAGE	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(OPTION)	Shut down o/p voltage, recovers automatically after temperature goes down											
	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	UL60950-	-1, TUV EN	60950-1 ap	proved								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3	KVAC I/F	P-FG:2KVA	C O/P-F0	G:0.5KVAC							
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH											
(Note 4)	EMC EMISSION	Compliance to EN55032 (CISPR32) 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	141.5K hrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	199*99*50mm (L*W*H)											
	PACKING	0.93Kg; 20pcs/19.6Kg/1.28CUFT											
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla	ly 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. ered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on the with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to blease refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)											



File Name: QP-150-SPEC 2017-07-14





QP-150 series



Features:

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

SPECIFICATION



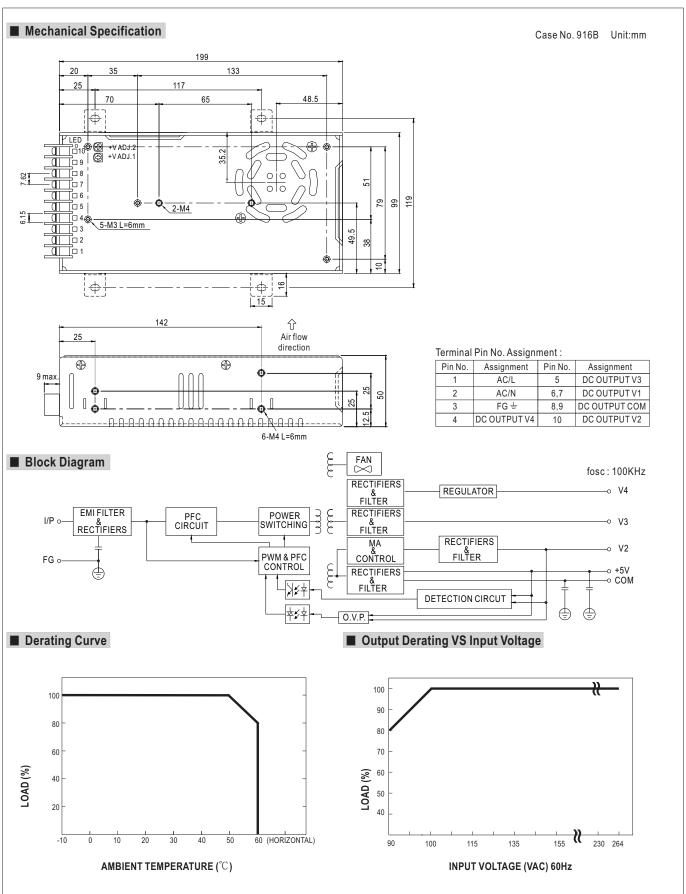
MODEL		QP-150-3D				QP-150D				QP-150F				
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	
	DC VOLTAGE	5V	3.3V	24V	-12V	5V	12V	24V	-12V	5V	15V	24V	-15V	
	RATED CURRENT	10A	10A	2.5A	0.6A	10A	4A	2A	0.6A	10A	3A	2A	0.6A	
	CURRENT RANGE	3 ~ 15A	0 ~ 15A	0.3 ~ 3A	0 ~ 1A	3 ~ 15A	0 ~ 5A	0.4 ~ 3A	0 ~ 1A	3 ~ 15A	0 ~ 5A	0.4 ~ 3A	0 ~ 1A	
	RATED POWER (max.)	150.2W				153.2W				152W				
CUIDUIT	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	150mVp-p	150mVp-p	120mVp-p 150mVp-p 200mVp-p 150mVp-p				120mVp-p 150mVp-p 200mVp-p 150mVp				
OUTPUT	VOLTAGE ADJ. RANGE	CH1: 4.75	~ 5.5V	CH2: 3.14	~ 3.63V	CH1: 4.75	~ 5.5V	CH2: 11.4	~ 13.2V	CH1: 4.75	~ 5.5V	CH2: 14.3	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 1800ms, 50ms/115VAC at full load												
	HOLD UP TIME (Typ.)	24ms/230	24ms/230VAC 24ms/115VAC at full load											
	VOLTAGE RANGE	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.)	76% 78% 78%												
	AC CURRENT (Typ.)	2.5A/115VAC 1.2A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START ≤40A/230V												
	LEAKAGE CURRENT	<3.5mA/240VAC												
		105 ~ 150% rated output power												
PROTECTION	OVERLOAD	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												
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover												
	OVER TEMPERATURE(OPTION)	Shut down o/p voltage, recovers automatically after temperature goes down												
	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	UL60950-	1, TUV EN	60950-1 ap	proved									
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3I	KVAC I/F	P-FG:2KVA	C O/P-F0	G:0.5KVAC								
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH												
(Note 4)	EMC EMISSION	Compliance to EN55032 (CISPR32) 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	141.5K hrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	199*99*50mm (L*W*H)												
	PACKING	0.93Kg; 20pcs/19.6Kg/1.28CUFT												
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla	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. lered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on ate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to blease refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)												



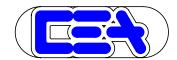
File Name: QP-150-SPEC 2017-07-14



QP-150 series









QP-150B,C series



■ Features :

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

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SPECIFICATION

MODEL		QP-150B				QP-150C							
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4				
	DC VOLTAGE	5V	12V	-12V	-5V	5V	15V	-15V	-5V				
	RATED CURRENT	15A	4A	2A	0.6A	15A	3A	2A	0.6A				
	CURRENT RANGE	3 ~ 15A	0.4 ~ 5A	0.3 ~ 2A	0 ~ 1A	3 ~ 15A	0.4 ~ 4A	0.3 ~ 2A	0 ~ 1A				
	RATED POWER (max.)	150W		<u>'</u>		153W							
OUTDUT	RIPPLE & NOISE (max.) Note.2	100mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p				
OUTPUT	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5\	1	·		CH1:4.75 ~ 5.5	5V						
	VOLTAGE TOLERANCE Note.3	±3.0%	±6.0%	+10,-6%	±5.0%	±3.0%	+6,-10%	±8.0%	±5.0%				
	LINE REGULATION	±1.0%	±2.0%	±2.0%	±1.0%	±1.0%	±2.0%	±2.0%	±1.0%				
	LOAD REGULATION	±2.0%	±6.0%	±6.0%	±2.0%	±2.0%	±6.0%	±6.0%	±2.0%				
	SETUP, RISE TIME	1000ms, 50ms/230VAC 2200ms, 50ms/115VAC at full load											
	HOLD UP TIME (Typ.)	24ms at full load											
	VOLTAGE RANGE	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.)	76% 77%											
	AC CURRENT (Typ.)	2.5A/115VAC 1.2A/230VAC											
	INRUSH CURRENT (Typ.)	COLD START ≦40A											
	LEAKAGE CURRENT	<3.5mA/240VAC											
		105 ~ 135% rated output power											
PROTECTION	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
		CH1:5.75 ~ 6.75V											
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover											
	OVER TEMPERATURE(OPTION)	Shut down o/p voltage, recovers automatically after temperature goes down											
	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	UL60950-1, TU	V EN60950-1 ap	proved									
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-FG:2KVA	C 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 4) EMC EMISSION Compliance to EN55032 (CISPR32) 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	141.5K hrs min. MIL-HDBK-217F (25°C)											
OTHERS	DIMENSION	199*99*50mm (L*W*H)											
PACKING 1.1Kg; 20pcs/22Kg/1.28CUFT													
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla	ecially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. some at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. It up tolerance, line regulation and load regulation. Insidered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on all plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to sts, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)											





QP-150B,C series

