



## ■ 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



# **■** GTIN CODE

## **SPECIFICATION**

MODEL		QP-150-3A				QP-150-3B			QP-150-3C				
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	СНЗ	CH4
ОИТРИТ	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				
	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	4 ~ 3.63V	CH1: 4.75	~ 5.5V	CH2: 3.14	4 ~ 3.63V	CH1: 4.75	~ 5.5V	CH2: 3.1	4 ~ 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%	$\pm 5.0\%$
	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%	$\pm 2.0\%$
	SETUP, RISE TIME	800ms, 50ms/230VAC 1800ms, 50ms/115VAC at full load											
	HOLD UP TIME (Typ.)	24ms/230	VAC :	24ms/115V	AC at full lo	ad							
	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											
		CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V											
	OVER VOLTAGE	Protection	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			-									
SAFETY &	WITHSTAND VOLTAGE	UL60950-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved  I/P-O/P:3KVAC											
EMC	ISOLATION RESISTANCE												
(Note 4)	EMC EMISSION	Complian	ce to BS El	N/EN55032	(CISPR32	) Class B, E	BS EN/EN6	1000-3-2,-3	B, EAC TP T	C 020			
	Note 4) EMC EMISSION Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020  EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 0							C 020					
	MTBF	1763.3K hrs min. Telcordia SR-332 (Bellcore) ; 262.6K hrs min. MIL-HDBK-217F (25°C)											
OTHERS	DIMENSION	199*99*50mm (L*W*H)											
	PACKING	0.93Kg; 20pcs/19.6Kg/1.21CUFT											
NOTE	All parameters NOT special     Ripple & noise are measure     Tolerance : includes set up     The power supply is consid     a 360mm*360mm metal pla     perform these EMC tests, p     (as available on https://www     The ambient temperature delagement	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 $\mu$ F & 47 $\mu$ F parallel capacitor. to tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on late with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to please refer to "EMI testing of component power supplies." w.meanwell.com//Upload/PDF/EMI_statement_en.pdf) derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). or: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx											

CRULGO950-1 US BS EN/ENG2368-1 TPTC004 GE CE CHA





## 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



# **■** GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

## **SPECIFICATION**

MODEL         QP-150-3D         QP-150D           OUTPUT NUMBER         CH1         CH2         CH3         CH4         CH1         CH2           DC VOLTAGE         5V         3.3V         24V         -12V         5V         12V           RATED CURRENT         10A         10A         2.5A         0.6A         10A         4A           CURRENT RANGE         3 ~ 15A         0 ~ 15A         0.3 ~ 3A         0 ~ 1A         3 ~ 15A         0 ~ 5A           RATED POWER (max.) Note.2         100mVp-p         100mVp-p         150mVp-p	CH3 24V 2A 0.4 ~ 3A 200mVp-p CH2: 11.4 ±6.0% ±2.0%		QP-150F CH1 5V 10A 3 ~ 15A 152W → 120mVp-p CH1: 4.75 ±3.0% ±1.0% ±2.0%		CH3 24V 2A 0.4 ~ 3A  200mVp-p CH2: 14.3 ±6.0%	-								
OUTPUT         DC VOLTAGE         5V         3.3V         24V         -12V         5V         12V           CURRENT RANGE         3 ~ 15A         10A         2.5A         0.6A         10A         4A           CURRENT RANGE         3 ~ 15A         0 ~ 15A         0.3 ~ 3A         0 ~ 1A         3 ~ 15A         0 ~ 5A           RATED POWER (max.)         150.2W         153.2W         153.2W           VOLTAGE ADJ. RANGE         CH1: 4.75 ~ 5.5V         CH2: 3.14 ~ 3.63V         CH1: 4.75 ~ 5.5V           VOLTAGE TOLERANCE Note.3         ±3.0%         ±3.0%         ±5.0%         ±3.0%         ±3.0%           LINE REGULATION         ±1.0%         ±1.0%         ±2.0%         ±1.0%         ±1.0%         ±1.0%           LOAD REGULATION         ±2.0%         ±2.0%         ±6.0%         ±2.0%         ±2.0%         ±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	24V 2A 0.4 ~ 3A 200mVp-p CH2: 11.4 ±6.0% ±2.0%	-12V 0.6A 0 ~ 1A 150mVp-p - 13.2V ±5.0% ±1.0%	5V 10A 3 ~ 15A 152W 0 120mVp-p CH1: 4.75 ±3.0% ±1.0%	15V 3A 0 ~ 5A 150mVp-p 5 ~ 5.5V ± 3.0%	24V 2A 0.4 ~ 3A 200mVp-p CH2: 14.3	-15V 0.6A 0 ~ 1A								
NOUTPUT         RATED CURRENT (max.)         10A         10A         2.5A         0.6A         10A         4A           CURRENT RANGE         3 ~ 15A         0 ~ 15A         0.3 ~ 3A         0 ~ 1A         3 ~ 15A         0 ~ 5A           RATED POWER (max.)         150.2W         153.2W         153.2W           VOLTAGE ADJ. RANGE         CH1: 4.75 ~ 5.5V         CH2: 3.14 ~ 3.63V         CH1: 4.75 ~ 5.5V           VOLTAGE TOLERANCE Note.3         ±3.0%         ±3.0%         ±5.0%         ±3.0%         ±3.0%           LINE REGULATION         ±1.0%         ±1.0%         ±2.0%         ±1.0%         ±1.0%         ±1.0%           LOAD REGULATION         ±2.0%         ±2.0%         ±6.0%         ±2.0%         ±2.0%         ±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	2A 0.4 ~ 3A 200mVp-p CH2: 11.4 ±6.0% ±2.0%	0.6A 0 ~ 1A 150mVp-p - 13.2V ± 5.0% ± 1.0%	10A 3 ~ 15A 152W 120mVp-p CH1: 4.75 ±3.0% ±1.0%	3A 0~5A 150mVp-p 5~5.5V ±3.0%	2A 0.4 ~ 3A 200mVp-p CH2: 14.3	0.6A 0 ~ 1A								
CURRENT RANGE         3 ~ 15A         0 ~ 15A         0.3 ~ 3A         0 ~ 1A         3 ~ 15A         0 ~ 5A           RATED POWER (max.)         150.2W         153.2W           RIPPLE & NOISE (max.) Note.2         100mVp-p         150mVp-p         150mVp-p         120mVp-p         150mVp-p         1	0.4 ~ 3A 200mVp-p CH2: 11.4 ± 6.0% ± 2.0%	0 ~ 1A 150mVp-p 1 ~ 13.2V ±5.0% ±1.0%	3 ~ 15A 152W 120mVp-p CH1: 4.75 ±3.0% ±1.0%	0 ~ 5A 150mVp-p 5 ~ 5.5V ±3.0%	0.4 ~ 3A 200mVp-p CH2: 14.3	0 ~ 1A								
OUTPUT  RIPPLE & NOISE (max.) Note.2 100mVp-p 100mVp-p 150mVp-p 120mVp-p 150mVp-p 150mVp-p 120mVp-p 150mVp-p 150mVp-p 120mVp-p 150mVp-p 150mVp-p 150mVp-p 120mVp-p 150mVp-p 15	200mVp-p CH2: 11.4 ±6.0% ±2.0%	150mVp-p 1 ~ 13.2V ± 5.0% ± 1.0%	152W 120mVp-p CH1: 4.75 ±3.0% ±1.0%	150mVp-p 5 ~ 5.5V ±3.0%	200mVp-p	150mVp-p								
OUTPUT         RIPPLE & NOISE (max.) Note.2         100mVp-p         150mVp-p         150mVp-p         120mVp-p         150mVp-p           VOLTAGE ADJ. RANGE         CH1: 4.75 ~ 5.5V         CH2: 3.14 ~ 3.63V         CH1: 4.75 ~ 5.5V           VOLTAGE TOLERANCE Note.3         ± 3.0%         ± 3.0%         ± 5.0%         ± 3.0% </th <th>CH2: 11.4 ± 6.0% ± 2.0%</th> <th>± 5.0% ± 1.0%</th> <th>120mVp-p CH1: 4.75 ±3.0% ±1.0%</th> <th>5~5.5V ±3.0%</th> <th>CH2: 14.3</th> <th>-</th>	CH2: 11.4 ± 6.0% ± 2.0%	± 5.0% ± 1.0%	120mVp-p CH1: 4.75 ±3.0% ±1.0%	5~5.5V ±3.0%	CH2: 14.3	-								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	CH2: 11.4 ± 6.0% ± 2.0%	± 5.0% ± 1.0%	CH1: 4.75 ±3.0% ±1.0%	5~5.5V ±3.0%	CH2: 14.3	-								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	±6.0% ±2.0%	±5.0% ±1.0%	±3.0% ±1.0%	±3.0%	1	3 ~ 16.5V								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	±2.0%	±1.0%	±1.0%		+ 6 N <sub>0</sub> / <sub>2</sub>									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				$\pm 1.0\%$	_	±5.0%								
SETUP, RISE TIME         800ms, 50ms/230VAC         1800ms, 50ms/115VAC at full load           HOLD UP TIME (Typ.)         24ms/230VAC         24ms/115VAC at full load	±6.0%	±2.0%	±2.0%		±2.0%	±1.0%								
HOLD UP TIME (Typ.) 24ms/230VAC 24ms/115VAC at full load				±2.0%	±6.0%	±2.0%								
1017			800ms, 50ms/230VAC 1800ms, 50ms/115VAC at full load											
VOLTAGE RANGE 90 ~ 26/1/AC 127 ~ 370/DC			24ms/230VAC 24ms/115VAC at full load											
70 - 204 VAC 121 - 310 VDC		90 ~ 264VAC 127 ~ 370VDC												
FREQUENCY RANGE 47 ~ 63Hz	47 ~ 63Hz													
POWER FACTOR (Typ.) PF>0.95/230VAC PF>0.98/115VAC at full load	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	2.5A/115VAC 1.2A/230VAC													
INRUSH CURRENT (Typ.) COLD START ≤40A/230V	COLD START ≦40A/230V													
LEAKAGE CURRENT <3.5mA/240VAC	<3.5mA / 240VAC													
105 ~ 150% rated output power	105 ~ 150% rated output power													
OVERLOAD Protection type: Hiccup mode, recovers automatically after fault	Protection type: Hiccup mode, recovers automatically after fault condition is removed													
PROTECTION CH1:5.75 ~ 6.75V CH2:3.8 ~ 4.4V CH1:5.75 ~ 6.75V	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													
OVER VOLTAGE  Protection type: Shut down o/p voltage, re-power on to recover	Protection type : Shut down o/p voltage, re-power on to recover													
OVER TEMPERATURE(OPTION) Shut down o/p voltage, recovers automatically after temperature	7													
<b>WORKING TEMP.</b> -10 ~ +60 °C (Refer to "Derating Curve")														
WORKING HUMIDITY 20 ~ 90% RH non-condensing	20 ~ 90% RH non-condensing													
ENVIRONMENT STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing	-20 ~ +85°C, 10 ~ 95% RH non-condensing													
TEMP. COEFFICIENT $\pm 0.03\%$ /°C (0~50°C)	±0.03%/°C (0~50°C)													
VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes													
SAFETY STANDARDS UL60950-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved	UL60950-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved													
SAFETY & WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC													
<b>ISOLATION RESISTANCE</b> I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH													
(Note 4) EMC EMISSION Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN6	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020													
EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN5503	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020													
MTBF 1763.3K hrs min. Telcordia SR-332 (Bellcore); 262.6K hrs min	1763.3K hrs min. Telcordia SR-332 (Bellcore) ; 262.6K hrs min. MIL-HDBK-217F (25°C)													
OTHERS         DIMENSION         199*99*50mm (L*W*H)	199*99*50mm (L*W*H)													
PACKING 0.93Kg; 20pcs/19.6Kg/1.21CUFT														
<ol> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terming.</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. a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confir perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)</li> </ol>	e 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 160mm*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 rform these EMC tests, please refer to "EMI testing of component power supplies."													

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## ■ 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



# **■** GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

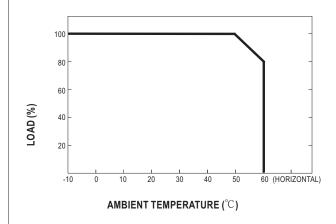
#### SPECIFICATION

SPECIFICATION		UL60950-1 BS EN/EN62368-1 TPTC004 IEC62368-1										
MODEL		QP-150B				QP-150C						
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4			
ОИТРИТ	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 153W										
	RIPPLE & NOISE (max.) Note.2	100mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p			
	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5				CH1:4.75 ~ 5.5\						
	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	1	2200ms, 50ms/1	15VAC 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										
NPUT	EFFICIENCY (Typ.)	76% 77%										
	AC CURRENT (Typ.)	2.5A/115VAC 1.2A/230VAC										
	INRUSH CURRENT (Typ.)	COLD START ≦40A										
	LEAKAGE CURRENT	<3.5mA/240VAC										
PROTECTION		105 ~ 135% rated output power										
	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)											
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY	-20 ~+85°C, 10 ~ 95% RH non-condensing										
LITTINOMILITI	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 BS EN/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 4)	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020										
` ′	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020										
OTHERS	MTBF	1763.3K hrs min. Telcordia SR-332 (Bellcore); 262.6K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	199*99*50mm (L*W*H)										
	PACKING	1.1Kg; 20pcs/22Kg/1.21CUFT										
NOTE	All parameters NOT special     Ripple & noise are measure     Tolerance : includes set up     The power supply is conside a 360mm*360mm metal playerform these EMC tests, p     (as available on https://www.	Ithing, 20pcs/22tg/1.216011  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 0.1 µ F & 47 µ F parallel capacitor.  Itolerance, line regulation and load regulation.  Idered 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 olease refer to "EMI testing of component power supplies."  In which is a component with fame of 3.5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).										

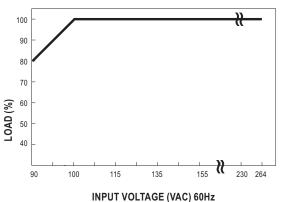


#### ■ Block Diagram fosc: 100KHz **※ QP-150-3A/3B/3C/3D,QP-150D/F** RECTIFIERS REGULATOR & FILTER POWER SWITCHING RECTIFIERS PFC CIRCUIT → V3 & FILTER RECTIFIERS MA & CONTROL RECTIFIERS ⊸ V2 PWM & PFC CONTROL FILTER RECTIFIERS - +5V - COM FILTER **DETECTION CIRCUT** 0.V.P. **※ QP-150B/C** RECTIFIERS & FILTER REGULATOR RECTIFIERS PFC CIRCUIT POWER FILTER V3 RECTIFIERS SWITCHING MA & CONTROL RECTIFIERS o V2 FILTER PWM & PFC CONTROL RECTIFIERS & FILTER **DETECTION CIRCUT** 0.V.P.





# ■ Output Derating VS Input Voltage

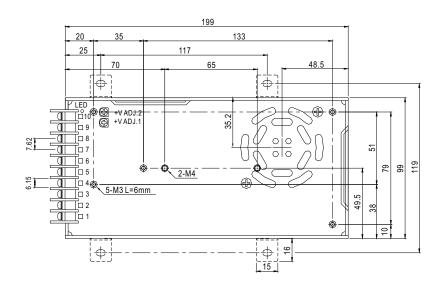


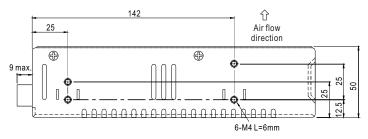


# ■ Mechanical Specification

(Unit: mm , tolerance ± 1mm)

Case No. 916B Unit:mm





## Terminal Pin No. Assignment:

	0		
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	5	DC OUTPUT V3
2	AC/N	6,7	DC OUTPUT V1
3	FG ±	8,9	DC OUTPUT COM
4	DC OUTPUT V4	10	DC OUTPUT V2

# ■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html