



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-p			100mVp-p 100mVp-p 150mVp-p 150mVp-p				100mVp-p 100mVp-p 150mVp-p 150mVp-p									
OUTPUT	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V CH2: 3.14 ~ 3.63V			~ 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%	±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	90 ~ 264V	AC 12	27 ~ 370VD	С													
	FREQUENCY RANGE	47 ~ 63Hz																
	POWER FACTOR (Typ.)	PF>0.95/2	30VAC	PF>0.98/	115VAC at 1	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/	<3.5mA / 240VAC															
		105 ~ 150	% rated ou	tput power					ion is removed									
	OVERLOAD	Protection	105 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed															
PROTECTION	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(OPTION)																	
	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%/°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 I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC																
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3I	KVAC I/F	P-FG:2KVA	C O/P-FC	3:0.5KVAC						tor.						
EMC	ISOLATION RESISTANCE				Ohms / 500'													
(Note 4)	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	139.9K hrs min. MIL-HDBK-217F (25°C)																
OTHERS	DIMENSION		mm (L*W*															
	PACKING		•															
NOTE	Ripple & noise are measure Tolerance: includes set up The power supply is consid EMC directives. For guidan (as available on http://www.	I parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I perameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I perameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I perameters not specially mentioned at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. I perameters not specially described at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. I perameters not specially mentioned at 20MHz of an analysis of a more described at 20MHz of a more described at 20MHz of an analysis of ambient temperature. I perameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I perameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I perameters NOT specially mentioned at 230VAC input, rated load and 25°C of ambient temperature. I perameters NOT specially mentioned at 230VAC input, rated load and 25°C of ambient temperature. I perameters NOT specially mentioned at 230VAC input, rated load and 25°C of ambient temperature. I perameters NOT specially mentioned at 230VAC input, rated load and 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambient temperature. I perameters NOT specially at 25°C of ambie									meets							





Features:

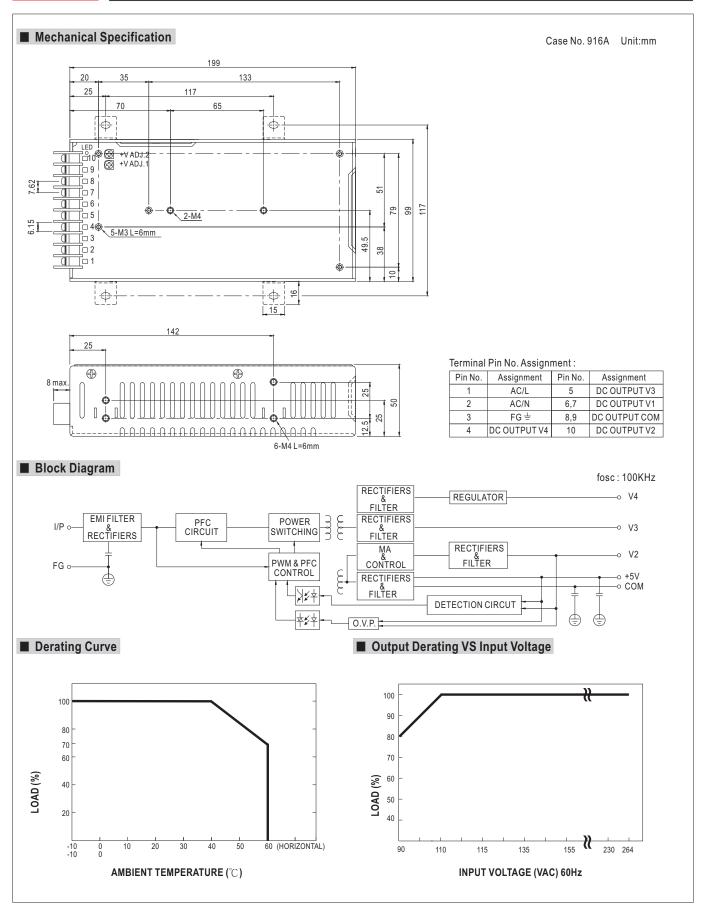
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections:Short circuit/Over load/Over voltage
- Free air cooling convection
- CH4:±Polarity is selectable
- Fixed switching frequency at 100KHz
- 3 years warranty

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			<u>'</u>	100W				103W				
CUTDUT	RIPPLE & NOISE (max.) Note.2	2 100mVp-p 100mVp-p 150mVp-p 150mVp-			150mVp-p	120mVp-p 150mVp-p 200mVp-p 150mVp-p				120mVp-p 180mVp-p 200mVp-p 150mVp-p				
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 ~ 16.			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 UP TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load												
OUTPUT INPUT PROTECTION ENVIRONMENT SAFETY & EMC (Note 4) OTHERS	VOLTAGE RANGE Note.5	90 ~ 264V	90 ~ 264VAC 127 ~ 370VDC											
	FREQUENCY RANGE	47 ~ 63Hz												
OUTPUT INPUT INPUT ENVIRONMENT SAFETY & SEMC (Note 4) EMC (Note 4) INOTE	POWER FACTOR (Typ.)	PF>0.95/2	230VAC	PF>0.98/	115VAC at 1	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											-15V 0.6A 0~1A 150mVp-r ~16.5V ±5.0% ±1.0% ±2.0%	
		105 ~ 150% rated output power												
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											15V 0.6A 0~1A 150mVp- 3~16.5V ±5.0% ±1.0% ±2.0%	
PROTECTION	OVER VOLTAGE	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 VOLIAGE	Protection type : Shut down o/p voltage, re-power on to recover												
	OVER TEMPERATURE(OPTION)													
	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")												
	WORKING HUMIDITY		RH non-co											
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			60950-1 ap									4.3 ~ 16.5V ±5.0% ±1.0% ±2.0%	
SAFETY &	WITHSTAND VOLTAGE			P-FG:2KVA										
EMC	ISOLATION RESISTANCE	,		-FG:100M (
(Note 4)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A												
	EMC IMMUNITY						ight industr	y level, crit	eria A					
	MTBF	139.9K hrs min. MIL-HDBK-217F (25° C)												
OTHERS	DIMENSION		0mm (L*W*		_									
	PACKING	•	•	(g/1.28CUF				20 1						
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives. For guidan (as available on http://www.	ially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. p tolerance, line regulation and load regulation. idered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets ance on how to perform these EMC tests, please refer to EMI testing of component power supplies. w.meanwell.com) under low input voltages. Please check the derating curve for more details.								meets				







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



MODEL		QP-100B				QP-100C							
	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4				
	DC VOLTAGE	5V	12V	-12V	-5V	5V	15V	-15V	-5V				
	RATED CURRENT	10A	3A	1A	0.6A	10A	2.2A	1A	0.6A				
	CURRENT RANGE	2 ~ 10A	0.3 ~ 4A	0.15 ~ 1A	0 ~ 1A	2 ~ 10A	0.3 ~ 3A	0.15 ~ 1A	0 ~ 1A				
	RATED POWER (max.)	101W			-	101W							
	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	V			CH1:4.75 ~ 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%	±2.0%	±6.0%	±2.0%				
	SETUP, RISE TIME	1000ms, 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											
INPUT	EFFICIENCY (Typ.)	76% 77%											
	AC CURRENT (Typ.)	1.5A/115VAC 0.75A/230VAC											
	INRUSH CURRENT (Typ.)	COLD START 40A											
	LEAKAGE CURRENT	<3.5mA/240VAC											
		105 ~ 135% rated output power											
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
PROTECTION		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											
	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:2KV	AC O/P-FG:0	.5KVAC								
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 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	139.9K hrs min. MIL-HDBK-217F (25℃)											
	DIMENSION	199*99*50mm (L*W*H)											
	PACKING	1.1Kg; 20pcs/22Kg/1.28CUFT											
NOTE	 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 0.1 uf & 47 uf 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. 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) 												



