Pc AL us EII CB CE LK





■ 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

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

SPECIFICATION

SPECIFIC	ATION							UL62368-	1 BS EN	/EN62368-1 T	PTC004 IEC	62368-1				
MODEL		QP-150-3	A			QP-150-3	В			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						
OUTPUT	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p	150mVp					
OUIPUI	VOLTAGE ADJ. RANGE	CH1: 4.75	~ 5.5V	CH2: 3.14	I ~ 3.63V	CH1: 4.75	~ 5.5V	CH2: 3.14	~ 3.63V	CH1: 4.75	CH2: 3.14	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%	±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, 50	ms/230VA	C 180	00ms, 50ms	s/115VAC a	t full load									
	HOLD UP TIME (Typ.)	24ms/230	VAC 2	24ms/115V	AC at full lo	ad										
	VOLTAGE RANGE	90 ~ 264V	AC 12	27 ~ 370VD	C					74%						
	FREQUENCY RANGE	47 ~ 63Hz	:													
	POWER FACTOR (Typ.)	PF>0.95/2	230VAC	PF>0.98/	115VAC at	full load										
INPUT	EFFICIENCY (Typ.)	73%				75%										
	AC CURRENT (Typ.)	2.5A/115\	/AC 1	.2A/230VA	С											
	INRUSH CURRENT (Typ.)	COLD ST	ART ≦40A	\/230V												
	LEAKAGE CURRENT	<3.5mA/	240VAC													
		105 ~ 150	% rated output power													
	OVERLOAD	Protection	n type : Hic	cup mode,	recovers au	ıtomatically	after fault	condition is	removed	oved						
PROTECTION	0.450.401.74.05	CH1:5.75	~ 6.75V	CH2:3.8	3 ~ 4.4V											
	OVER VOLTAGE	Protection	n type : Shu	ıt down o/p	voltage, re	-power on t	o recover									
	OVER TEMPERATURE(OPTION)	Shut dow	n o/p volta	ge, recover	s automati	cally after	temperatui	re goes do	wn							
	WORKING TEMP.	-10 ~ +60	°C (Refer t	o "Derating	Curve")											
	WORKING HUMIDITY	20 ~ 90%	RH non-co	ndensing												
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85	°C, 10 ~ 95	5% RH non-	condensin	g										
	TEMP. COEFFICIENT	±0.03%/	°C (0~50°C	C)												
	VIBRATION	10 ~ 500H	lz, 2G 10m	in./1cycle,	60min. eac	h along X, \	/, Z axes									
	SAFETY STANDARDS	UL62368-	-1, TUV BS	EN/EN623	68-1, EAC	TP TC 004	approved									
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 / 500	VDC / 25°C	/ 70% RH									
(Note 4)	EMC EMISSION	Complian	ce to BS El	N/EN55032	(CISPR32) Class B, E	S EN/EN6	1000-3-2,-3	B, EAC TP T	C 020						
	EMC IMMUNITY	Complian	ce to BS El	N/EN61000	-4-2,3,4,5,0	6,8,11, BS I	EN/EN5503	5, light ind	ustry level,	EAC TP T	C 020					
	MTBF	1763.3K	hrs min.	Telcordia S	R-332 (Be	llcore) ; 262	.6K hrs mir	n. MIL-H	DBK-217F	(25°℃)						
OTHERS	DIMENSION	199*99*5	0mm (L*W*	H)												
	PACKING	0.93Kg; 2	0pcs/19.6k	(g/1.21CUF	T											
		NG 0.93Kg; 20pcs/19.6Kg/1.21CUFT														

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. 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) 5. 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).
 - ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

® c¶us ☐ III CBCEK





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

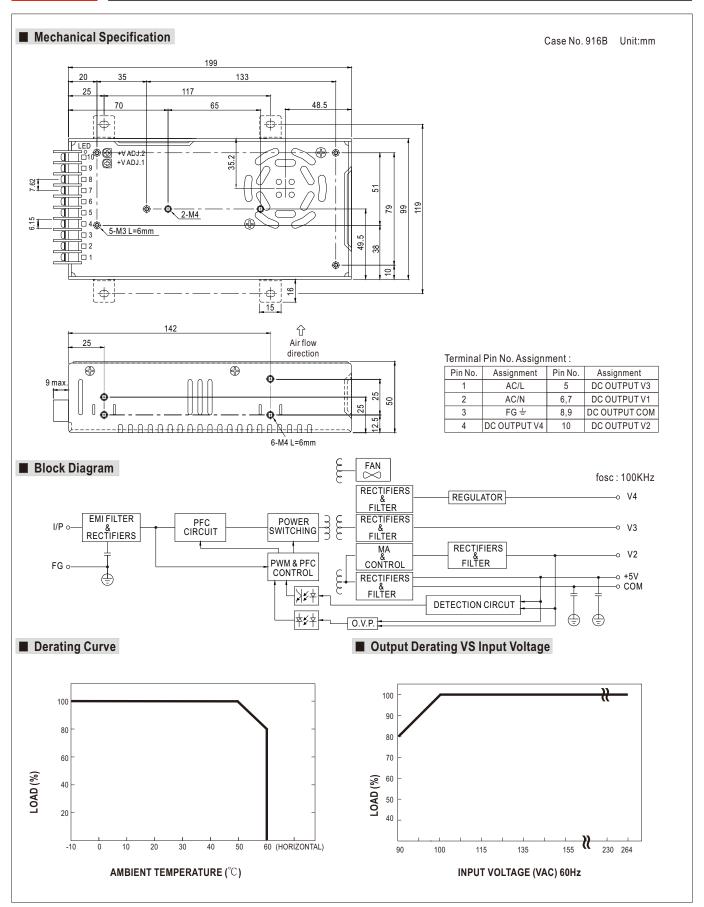
SPECIFICATION

SPECIFIC	ATION							UL62368-	1 BS EN	I/EN62368-1 T	PTC004 IEC	62368-1					
MODEL		QP-150-3	D			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 p 120mVp-p 150mVp-p 200mVp-p 150i CH1: 4.75 ~ 5.5V CH2: 14.3 ~ 16							
OUTDUT	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	150mVp-p	150mVp-p	120mVp-p	150mVp-p	200mVp-p	150mVp-p								
OUTPUT	VOLTAGE ADJ. RANGE	CH1: 4.75	~ 5.5V	CH2: 3.14	1 ~ 3.63V	CH1: 4.75	~ 5.5V	CH2: 11.4	~ 13.2V								
	VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	±6.0%	±5.0%	±3.0%	±3.0%	±6.0%	±5.0%	±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, 50	ms/230VA	C 18	00ms, 50m	s/115VAC a	it full load	1									
	HOLD UP TIME (Typ.)	24ms/230	VAC	24ms/115\	AC at full lo	oad											
	VOLTAGE RANGE	90 ~ 264\	/AC 12	27 ~ 370VD	C												
	FREQUENCY RANGE	47 ~ 63Hz	<u>'</u>														
	POWER FACTOR (Typ.)	PF>0.95/2	47 ~ 63Hz PF>0.95/230VAC PF>0.98/115VAC at full load														
INPUT	EFFICIENCY (Typ.)	76%				78%				78%							
	AC CURRENT (Typ.)	2.5A/115	2.5A/115VAC 1.2A/230VAC COLD START ≤ 40A/230V														
	INRUSH CURRENT (Typ.)	COLD ST															
	LEAKAGE CURRENT	<3.5mA/	240VAC														
		105 ~ 150% rated output power															
	OVERLOAD	Protection	tection 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 CH2:13.8 ~ 16.2V CH1:5.75 ~ 6.75V CH2:17.25								25 ~ 20.25\							
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover															
	OVER TEMPERATURE(OPTION)	Shut dow	n o/p voltag	ge, recovei	rs automati	ically after	temperatu	re goes do	wn								
	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing															
	WORKING HUMIDITY																
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85	°C, 10 ~ 95	5% RH non-	-condensin	g											
	TEMP. COEFFICIENT	±0.03%	/°C (0~50°C	C)													
	VIBRATION	10 ~ 500H	lz, 2G 10m	in./1cycle,	60min. eac	h along X, `	Y, Z axes										
	SAFETY STANDARDS	UL62368	-1, TUV BS	EN/EN623	68-1, EAC	TP TC 004	approved										
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 / 500	VDC / 25° C	770% RH										
(Note 4)	EMC EMISSION	Complian	ce to BS Ef	N/EN55032	(CISPR32) Class B, E	BS EN/EN6	1000-3-2,-3	B, EAC TP 1	TC 020							
	EMC IMMUNITY	Complian	ce to BS El	N/EN61000	-4-2,3,4,5,	6,8,11, BS I	EN/EN5503	35, light ind	ustry level,	EAC TP T	C 020						
	MTBF	1763.3K	hrs min.	Telcordia S	SR-332 (Be	llcore); 262	2.6K hrs mi	n. MIL-H	DBK-217F	(25°℃)							
OTHERS	DIMENSION	199*99*5	0mm (L*W*	'H)													
	PACKING	0.93Kg; 2	0pcs/19.6k	(g/1.21CUF	Т												
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up The power supply is conside a 360mm*360mm metal ple perform these EMC tests, p	ed at 20Mb tolerance, ered a con ate with 1m	Iz of bandy line regulati nponent whim of thickr	width by us tion and loanich will be ness. The f	ing a 12" to ad regulation installed in inal equipm	wisted pair- on. Ito a final e nent must b	wire termir quipment. oe re-confir	nated with a All the EMO med that it	a 0.1uf & 4 C tests are still meets	7uf parallel been exec EMC direc	cuted by m	ounting the					

5. 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).

※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx









■ 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

SPECIFICATION

		QP-150C				QP-150B		MODEL
CH3 CH4	CH2 CH3	CH1	CH4	CH3	CH2	CH1	OUTPUT NUMBER	
-15V -5V	15V -15V	5V	-5V	-12V	12V	5V	DC VOLTAGE	
2A 0.6A	3A 2A	15A	0.6A	2A	4A	15A	RATED CURRENT	
0.3 ~ 2A 0 ~ 1A	0.4 ~ 4A	CURRENT RANGE						
		153W	<u> </u>		<u>'</u>	150W	RATED POWER (max.)	
150mVp-p 100mV	150mVp-p 150mVp	100mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p	RIPPLE & NOISE (max.) Note.2	
	5V	CH1:4.75 ~ 5.5			5V	CH1:4.75 ~ 5.5	VOLTAGE ADJ. RANGE	DUTPUT
±8.0% ±5.0%	+6,-10% ±8.0%	±3.0%	±5.0%	+10,-6%	±6.0%	±3.0%	VOLTAGE TOLERANCE Note.3	
±2.0% ±1.0%	±2.0% ±2.0%	±1.0%	±1.0%	±2.0%	±2.0%	±1.0%	LINE REGULATION	
±6.0% ±2.0%	±6.0% ±6.0%	±2.0%	±2.0%	±6.0%	±6.0%	±2.0%	LOAD REGULATION	
		1	15VAC at full load	2200ms, 50ms/1		1000ms, 50ms	SETUP, RISE TIME	
				,		24ms at full lo	HOLD UP TIME (Typ.)	
				/DC		90 ~ 264VAC	VOLTAGE RANGE	
						47 ~ 63Hz	FREQUENCY RANGE	
			oad	8/115VAC at full	VAC PF>0.9	PF>0.95/230\	POWER FACTOR (Typ.)	
		77%				76%	EFFICIENCY (Typ.)	NPUT
		1		/AC	1.2A/230\	2.5A/115VAC	AC CURRENT (Typ.)	• .
				710		COLD START	INRUSH CURRENT (Typ.)	
						<3.5mA / 240	LEAKAGE CURRENT	
				or .	ated output pow		EL/III/IOE OOKKENT	
	noved	condition is rem	atically after faul	e, recovers auton			OVERLOAD	
	noved		ROTECTION					
		OVER VOLTAGE	KOTECTION					
		ro goos down		/p voltage, re-por			OVER TEMPERATURE(OPTION)	
		-10 ~ +60°C (
					non-condensing		WORKING TEMP.	
						_	WORKING HUMIDITY	NUIDONMENT
				n-condensing	10 ~ 95% RH no		,	ENVIRONMENT
			V V 7	00 ' 1 1	· /	±0.03%/°C (TEMP. COEFFICIENT	
			• • •	e, 60min. each al	•	-	VIBRATION	
				2368-1, EAC TP		-	SAFETY STANDARDS	
			-					SAFETY &
				,				NOTE 4)
C 020	y level, EAC TP TC 020							
	K-217F (25°C)	n. MIL-HDBK	e) ; 262.6K hrs m	a SR-332 (Bellco	min. Telcordia	1763.3K hrs i	MTBF	
					n (L*W*H)	199*99*50mn	DIMENSION	THERS
				Г	/22Kg/1.21CUF	1.1Kg; 20pcs/	PACKING	
ol capacitor. Suted by mounting tives. For guidance	y level, EAC TP TC 020 K-217F (25°C) temperature. 1uf & 47uf parallel capacite sts are been executed by meets EMC directives. Fc	35, light industry n. MIL-HDBK C of ambient to nated with a 0.1 All the EMC tes med that it still vailable on http:	2/25°C/70% RH ass B, BS EN/EN 11, BS EN/EN550 e); 262.6K hrs m ated load and 2: ad pair-wire term final equipment must be re-conf r supplies." (as a	a SR-332 (Bellco r 230VAC input, using a 12" twist load regulation. be installed into a final equipment component power	G, O/P-FG:100N o BS EN/EN550: o BS EN/EN610 min. Telcordia n (L*W*H) /22Kg/1.21CUF [*] are measured at f bandwidth by regulation and nent which will be of thickness. The "EMI testing of o	I/P-O/P, I/P-F Compliance to Compliance to 1763.3K hrs if 199*99*50mm 1.1Kg; 20pcs/ Illy mentioned a ed at 20MHz of tolerance, line ered a comporte with 1mm of please refer to to	ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	SAFETY & EMC (Note 4) OTHERS



