



## ■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- $^{\circ}$  CH1 & CH2 can be adjusted from -5%  $\sim$  +10%
- With power good and fail signal output
- \* Built-in remote sense function for CH1 & CH2
- · LED indicator for power on
- 100% full load burn-in test
- \* 20A peak load capability for 24V channel
- 3 years warranty









User's Manual

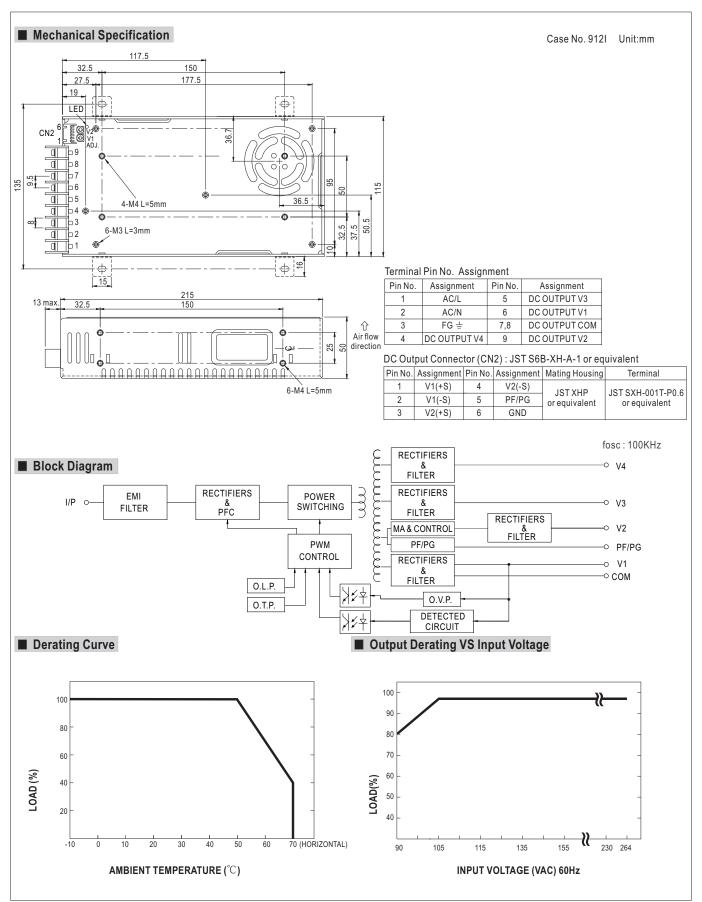
## **SPECIFICATION**

CIFICATION					UL62368-1 BS EN/EN62368-1 TPTC004			
	QP-320D				QP-320F			
OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4
DC VOLTAGE	5V	12V	24V	-12V	5V	15V	24V	-15V
RATED CURRENT	20A	10A	3A	2A	20A	8A	3A	1.6A
CURRENT RANGE	2.5 ~ 20A	0 ~ 10A	0.2 ~ 5A	0.2 ~ 2A	2.5 ~ 20A	0 ~ 10A	0.2 ~ 5A	0.2 ~ 1.6/
PEAK CURRENT	20A	10A	20A,≦1ms(Note5)	2A	20A	10A	20A,≦1ms(Note5)	1.6A
RATED POWER	316W							
RIPPLE & NOISE (max.) Note.2	100mVp-p	150mVp-p	150mVp-p	150mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-
VOLTAGE ADJ. RANGE	CH1,2:+10,-5%					_		
VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	+10,-6%	±10%	±3.0%	±3.0%	+10,-6%	±10%
LINE REGULATION	±1.0%	±2.0%	±2.0%	±3.0%	±1.0%	±2.0%	±2.0%	±3.0%
LOAD REGULATION	±2.0%	±3.0%	±6.0%	±8.0%	±2.0%	±3.0%	±6.0%	±8.0%
SETUP, RISE TIME	800ms,50ms/230VAC 3000ms,50ms/115VAC at full load							
HOLD UP TIME (Typ.)	16ms at full load							
VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC							
FREQUENCY RANGE	47 ~ 63Hz							
POWER FACTOR (Typ.)	PF>0.95/230VAC							
· • · · ·	83%							
( 5.  /	4A/115VAC 2A/230VAC							
( • /	25A/115VAC 45A/230VAC							
LEAKAGE CURRENT	<2mA/240VAC							
OVERLOAD	105 ~ 150% rated output power							
	Protection type: Fold back current limiting, recovers automatically after fault condition is removed							
OVER VOLTAGE	CH1:5.75 ~ 6.75V CH2:13.8 ~ 16.2V CH1:5.75 ~ 6.75V CH2:17.25 ~ 20.25V							
	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							
POWER GOOD / POWER FAIL	10ms/1ms							
WORKING TEMP.	-10 ~ +70°C (Refer to "Derating Curve")							
	20 ~ 90% RH non-condensing							
	-20 ~ +85 $^{\circ}$ C, 10 ~ 95% RH non-condensing $\pm 0.03\%$ $^{\circ}$ C (0 ~ 50 $^{\circ}$ C )							
TEMP. COEFFICIENT								
	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved							
	-			, 50 211/211000	z i, iigiit iiiddoti j	, lovol, olitoria,	1, 2710 11 10 020	
DIMENSION	215*115*50mm (L*W*H)							
		5.4Kg/0.9CUFT						
	DC VOLTAGE  RATED CURRENT CURRENT RANGE PEAK CURRENT RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE POWER FACTOR (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT OVERLOAD  OVER VOLTAGE OVER TEMPERATURE POWER GOOD / POWER FAIL WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	CH1	CH1	OUTPUT NUMBER         CH1         CH2         CH3           DC VOLTAGE         5V         12V         24V           RATED CURRENT         20A         10A         3A           CURRENT RANGE         2.5 ~ 20A         0 ~ 10A         0.2 ~ 5A           PEAK CURRENT         20A         10A         20A,≦1ms(Note5)           RATED POWER         316W         150mVp-p         150mVp-p         150mVp-p           VOLTAGE ADJ. RANGE         CH1,2:+10,-5%         +10,-6%         +10,-6%           VOLTAGE TOLERANCE Note.3         ±3.0%         ±3.0%         ±10,-6%           LINE REGULATION         ±1.0%         ±2.0%         ±2.0%           LOAD REGULATION         ±2.0%         ±3.0%         ±6.0%           SETUP, RISE TIME         800ms,50ms/230VAC         3000ms,50ms/115V           HOLD UP TIME (Typ.)         16ms at full load         47 ~ 63Hz           VOLTAGE RANGE         47 ~ 63Hz         47 ~ 63Hz           POWER FACTOR (Typ.)         83%         4A/115VAC         2A/230VAC           EFFICIENCY (Typ.)         83%         4A/115VAC         2A/230VAC           LEAKAGE CURRENT         25A/115VAC         45A/230VAC         25A/115VAC           OVER LOAD         70°C (Typ.)	COUTPUT NUMBER         CH1         CH2         CH3         CH4           DC VOLTAGE         5V         12V         24V         -12V           RATED CURRENT         20A         10A         3A         2A           CURRENT RANGE         2.5 ~ 20A         0 ~ 10A         0.2 ~ 5A         0.2 ~ 2A           PEAK CURRENT         20A         10A         20A,≦1ms(Note5)         2A           RATED POWER         316W         150mVp-p         1	CH1	DUTPUT NUMBER	CH1

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





## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Switching Power Supplies category:

Click to view products by Mean Well manufacturer:

Other Similar products are found below:

70841011 73-551-0005 73-551-0048 PS3E-B12F PS3E-E12F AAD600S-4-OP R22095 KD0204 9021 LDIN100150 LPM000-BBAR-01 LPX17S-C EVS57-10R6/R FP80 FRV7000G 22929 PS3E-F12F CQM1IA121 40370121900 VI-PU22-EXX 40370121910 LDIN5075 LPM615-CHAS LPX140-C 09-160CFG 70841025 VPX3000-CBL-DC LPM000-BBAR-05 LPM000-BBAR-08 LPM124-OUTA1-48 LPM000-BBAR-07 LPM109-OUTA1-10 LPM616-CHAS 08-30466-1055G 08-30466-2175G 08-30466-2125G DMB-EWG TVQF-1219-18S 6504-226-2101 CQM1IPS01 SP-300-5 CQM1-IPS02 VI-MUL-ES 22829 08-30466-0065G VI-RU031-EWWX 08-30466-0028G VI-LUL-EU EP3000AC48INZ VP-C2104853