



■ Features :

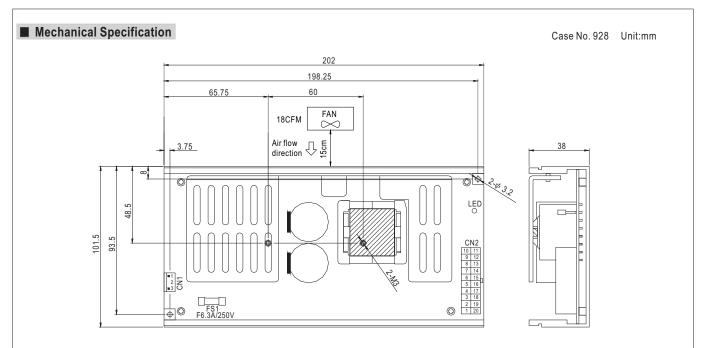
- Universal AC input / Full range
- Built in active PFC circuit compliance to EN61000-3-2
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Free air convection for 150W and forced air convection for 225W
- High power density 4.7w/in³
- Active AC surge current limiting
- U-bracket low profile:38mm
- 3 years warranty

SPECIFICATION



MODEL		USP-225-3.3	USP-225-5	USP-225-12	USP-225-15	USP-225-24	USP-225-48	
	DC VOLTAGE		3.3V	5V	12V	15V	24V	48V
	RATED CURRENT		40A	40A	18.7A	15A	9.4A	4.7A
	CURRENT RANGE		0 ~ 40A	0 ~ 40A	0 ~ 18.7A	0 ~ 15A	0 ~ 9.4A	0 ~ 4.7A
	RATED POWER		132W	200W	224.4W	225W	225.6W	225.6W
	RIPPLE & NOISE (max.) Note.2		-	100mVp-p	100mVp-p	100mVp-p	150mVp-p	250mVp-p
OUTPUT	VOLTAGE ADJ. RANGE		2.97 ~ 3.6V	4.5 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3		±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	LINE REGULATION		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	SETUP, RISE TIME		500ms, 30ms/230VAC 1200ms, 30ms/115VAC at full load					
	HOLD UP TIME (Typ.)		22ms/230VAC 22ms/115VAC at full load					
	VOLTAGE RANGE		90 ~ 264VAC 127 ~ 370VDC					
	FREQUENCY RANGE		47 ~ 63Hz					
	POWER FACTOR (Typ.)		PF>0.93/230VAC PF>0.97/115VAC at full load					
	EFFICIENCY (Typ.		72%	77%	83%	84%	85%	86%
INPUT	AC CURRENT	115VAC	2.2A	3.3A	15270	15.70	12270	15270
	(Typ.)	230VAC	1.1A	1.6A				
	INRUSH CURREN			55A/230VAC				
	LEAKAGE CURRENT		<3.5mA / 240VAC					
			105 ~ 150% rated output power					
	OVERLOAD		Protection type: Constant current limiting, recovers automatically after fault condition is removed					
PROTECTION	OVER VOLTAGE		3.6 ~ 4.4V	5.5 ~ 7.4V	13.2 ~ 16.3V	16.5 ~ 20.2V	26.4 ~ 32.4V	52.8 ~ 64.8V
PROTECTION			Protection type : Sh	ut down o/p voltage, r				
	OVER TEMPERATURE		Shut down o/p voltage, recovers automatically after temperature goes down					
	WORKING TEMP.		-20 ~ +65°C (Refer to "Derating Curve")					
	WORKING HUMIDITY		20 ~ 90% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY		-40 ~ +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 EN60950-1, EAC TP TC 004 approved					
SAFETY & EMC (Note 4)	WITHSTAND VOLTAGE		I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
	ISOLATION RESISTANCE		I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
	EMC EMISSION		Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020					
	EMC IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A, EAC TP TC 020					
OTHERS	MTBF		220K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION		202*101.5*38mm (L*W*H)					
	PACKING		0.85Kg; 16pcs/14.6Kg/0.76CUFT					
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).							





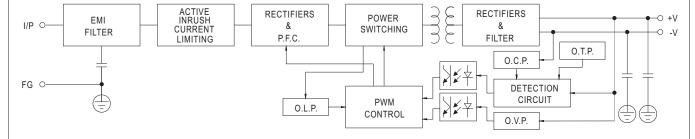
AC Input Connector (CN1): JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal	
1	AC/N	JST VHR	JST SVH-21T-P1.1	
2	No Pin	or equivalent	or equivalent	
3	AC/L	or equivalent	or equivalent	

DC Output Connector (CN2): MOLEX 39-29-9206 or equivalent

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Pin No.	Assignment	Mating Housing	Terminal	
1~5	+V	MOLEX 5557 or equivalent	MOLEX 5556 or equivalent	
6~15	-V			
16~20	+V			





■ Derating Curve

■ Static Characteristics (5V)

