



125W Triple Output with PFC Function

PPT-125 series



## ■ Features :

- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage
- PWM control and regulated
- High power density 6.117W/inch<sup>3</sup>
- LED indicator for power on
- 100% full load burn-in test
- 125W with 18CFM FAN
- 5"x3" compact size
- 3 years warranty

User's Manual



## SPECIFICATION

MODEL	PPT-125A			PPT-125B			PPT-125C			PPT-125D							
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3				
	DC VOLTAGE	3.3V	5V	12V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V				
	RATED CURRENT	10A	8A	0.5A	11.5A	3A	0.5A	11A	2.5A	0.5A	7A	2.5A	0.5A				
	CURRENT RANGE (convection)	1 ~ 10A	0.8 ~ 8A	0.05 ~ 0.5A	1 ~ 11.5A	0.3 ~ 3A	0.05 ~ 0.5A	1 ~ 11A	0.25 ~ 2.5A	0.05 ~ 0.5A	1 ~ 7A	0.25 ~ 2.5A	0.05 ~ 0.5A				
	CURRENT RANGE (18CFM FAN)	1 ~ 12.5A	0.8 ~ 10A	0.05 ~ 0.63A	1 ~ 14.38A	0.3 ~ 3.75A	0.05 ~ 0.63A	1 ~ 13.75A	0.25 ~ 3.13A	0.05 ~ 0.63A	1 ~ 8.75A	0.25 ~ 3.13A	0.05 ~ 0.63A				
	RATED POWER (convection)	79W			99.5W			100W			101W						
	RATED POWER (18CFM FAN)	98.81W			124.46W			125.15W			126.43W						
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	120mVp-p	100mVp-p	120mVp-p	120mVp-p	100mVp-p	150mVp-p	150mVp-p	100mVp-p	240mVp-p	120mVp-p				
	VOLTAGE ADJ. RANGE	CH1:3.13 ~ 3.46V			CH1:4.75 ~ 5.25V			CH1:4.75 ~ 5.25V			CH1:4.75 ~ 5.25V						
	VOLTAGE TOLERANCE Note.3	±3.0%	±5.0%	±6.0%	±3.0%	±5.0%	±6.0%	±3.0%	±5.0%	±6.0%	±3.0%	±5.0%	±6.0%				
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
	LOAD REGULATION	±3.0%	±3.0%	±5.0%	±3.0%	±3.0%	±5.0%	±3.0%	±3.0%	±5.0%	±3.0%	±3.0%	±5.0%				
INPUT	SETUP, RISE TIME	1000ms, 30ms/230VAC			2000ms, 30ms/115VAC at full load												
	HOLD UP TIME (Typ.)	24ms/230VAC			24ms/115VAC at full load												
	VOLTAGE RANGE	90 ~ 264VAC			127 ~ 370VDC												
	FREQUENCY RANGE	47 ~ 63Hz															
	POWER FACTOR (Typ.)	PF>0.93/230VAC			PF>0.98/115VAC at full load												
	EFFICIENCY (Typ.)	75%		78%		78%		78%		78%							
	AC CURRENT (Typ.)	1.7A/115VAC			0.75A/230VAC												
PROTECTION	INRUSH CURRENT (Typ.)	COLD START 24A/230VAC															
	LEAKAGE CURRENT	<2mA / 240VAC															
	OVERLOAD	130 ~ 160% rated output power			Protection type : Fold back current limiting, recovers automatically after fault condition is removed												
ENVIRONMENT	OVER VOLTAGE	CH1:3.6 ~ 4.45V		CH1:5.75 ~ 6.75V		CH1:5.75 ~ 6.75V		CH1:5.75 ~ 6.75V									
	WORKING TEMP., HUMIDITY	-20 ~ +70°C (Refer to "Derating Curve")															
	WORKING TEMP.	20 ~ 90% RH non-condensing															
SAFETY & EMC (Note 4)	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH															
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 50°C)															
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes															
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, AS/NZS 62368.1, EAC TP TC 004 approved															
	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 BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020															
OTHERS	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55024, light industry level, criteria A, EAC TP TC 020															
	MTBF	94.7Khrs min. MIL-HDBK-217F (25°C)															
	DIMENSION	127*76.2*34.6mm (L*W*H)															
NOTE	PACKING	0.37Kg; 36pcs/14.3Kg/0.96CUFT															
	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 <a href="http://www.meanwell.com">http://www.meanwell.com</a> ) 5. Heat Sink HS1,HS2 & HS3 can not be shorted. 6. 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 <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a>																

