









■ GTIN CODE

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

■ 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/inch³
- LED indicator for power on
- 100% full load burn-in test
- 125W with 18CFM FAN
- 5"x3" compact size
- 3 x3 compact 312
- 3 years warranty





SPECIFIC	ATION					AS/NZS62368-1		UL62368-1 BS EN/EN62368-1			IEC62368-1		- C	
MODEL		PPT-125A			PPT-125B		PPT-125C			PPT-125D				
ОИТРИТ	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 ~ 0.5	
	CURRENT RANGE (18CFM FAN)													
	RATED POWER (convection)				99.5W			100W			101W			
	RATED POWER (18CFM FAN)				124.46W			125.15W			126.43W			
					100mVp-p 120mVp-p 120mVp-p									
	VOLTAGE ADJ. RANGE	CH1:3.13 ~ 3.46V						CH1:4.75 ~ 5.25V			CH1:4.75 ~ 5.25V			
	VOLTAGE TOLERANCE Note.3		±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%			±5.0%	
	SETUP, RISE TIME													
	HOLD UP TIME (Typ.) VOLTAGE RANGE	24ms/230VAC 24ms/115VAC at full load												
INPUT		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%											
	AC CURRENT (Typ.)	1.7A/115VAC 0.75A/230VAC												
	INRUSH CURRENT (Typ.)	COLD START 24A/230VAC												
	LEAKAGE CURRENT	<2mA/240VAC												
PROTECTION	OVERLOAD	130 ~ 160% rated output power												
	O TEINEOND	Protection type: Fold back current limiting, recovers automatically after fault condition is removed												
	OVER VOLTAGE	CH1:3.6 ~ 4.45V CH1:5.75 ~ 6.75V CH1:5.75 ~ 6.75V CH1:5.75 ~ 6.75V												
	OVERVOLINGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed												
ENVIRONMENT	WORKING TEMP., HUMIDITY		-20 ~ +70°C (Refer to "Derating Curve")											
	WORKING TEMP.		20 ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY	-40 ~ +85	°C, 10 ~ 95	5% RH										
	TEMP. COEFFICIENT	±0.05%/	°C (0 ~ 50°	°C)										
	VIBRATION	10 ~ 500H	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes											
	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, AS/NZS 62368.1, EAC TP TC 004 approved												
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC												
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH												
(Note 4)	EMC EMISSION	Complian	ce to BS El	N/EN55032	(CISPR32) Class B, I	BS EN/EN6	1000-3-2,-	3, EAC TP	TC 020				
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020												
OTHERS	MTBF	2173.4K hrs min. Telcordia SR-332 (Bellcore); 269.9K hrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	127*76.2*34.6mm (L*W*H)												
	PACKING	0.37Kg; 3	6pcs/14.3k	(g/0.96CUF	-T									
NOTE	All parameters NOT specia Ripple & noise are measure Tolerance: includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p (as available on https://www.	ed at 20MH tolerance, lered a cor ate with 1m blease refe v.meanwel	Iz of band line regula nponent w Im of thick r to "EMI to I.com//Uplo	width by us ation and lo hich will be ness. The t esting of co	sing a 12" i ead regulati e installed in final equipromponent p	wisted pair on. nto a final ment must power supp	r-wire term equipment. be re-confi blies."	inated with All the EN	a 0.1 μ F MC tests ar	& 47 μ F p e been exe	ecuted by i	mounting th		
	5. Heat Sink HS1,HS2 & HS36. The ambient temperature dProduct Liability Disclaimer	erating of	3.5°C/1000								titude high	er than 200	00m(6500f	
											Eila Nama: E	PPT-125-SPE	C 2024 10	



