





■ GTIN CODE

SPECIFICATION

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

■ Features :

- Universal AC input / Full range
- Isolated output & GND for CH1,CH2
- Built-in active PFC function, PF>0.92
- Protections:Short circuit / Overload / Over voltage / Over temperature
- Remote control for CH1
- Peak load 170% for CH1 within 10 sec.
- · Cooling by free air convection
- * 100% full load burn-in test
- 3 years warranty





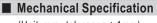
MODEL PID-250A PID-250B PID-250C PID-250D **OUTPUT NUMBER** CH1 CH2 CH1 CH2 CH2 CH1 CH₁ CH2 DC VOLTAGE 5V RATED CURRENT 15A(Peak 20A) 5A 9.4A(Peak 16.7A) 5A 6.3A(Peak 11.1A) 5A 4.7A(Peak 8.4A) 5A 0 ~ 15A 0 ~ 5A 0 ~ 9.4A 0 ~ 5A 0~6.3A 0 ~ 5A 0 ~ 4.7A 0 ~ 5A **CURRENT RANGE** (Peak 20A) (Peak 16.7A) (Peak 11.1A) (Peak 8.4A) **RATED POWER** 205W 250.6W 251.8W 250.6W RIPPLE & NOISE (max.) Note.2 120mVp-p 50mVp-p 150mVp-p 50mVp-p 200mVp-p 50mVp-p 200mVp-p 50mVp-p OUTPUT **VOLTAGE ADJ. RANGE** 10.8 ~ 13.2V 4.75 ~ 5.25V 21.6 ~ 26.4V 4.75 ~ 5.25V 32.4 ~ 39.6V 4.75 ~ 5.25V 43.2 ~ 52.8V 4.75 ~ 5.25V ±2.0% **VOLTAGE TOLERANCE Note.3** $\pm 3.0\%$ $\pm 2.0\%$ $\pm 2.0\%$ $\pm 2.0\%$ $\pm 2.0\%$ $\pm 2.0\%$ $\pm 2.0\%$ LINE REGULATION $\pm 0.5\%$ $\pm 0.5\%$ LOAD REGULATION $\pm 1.0\%$ $\pm 2.0\%$ $\pm 1.0\%$ $\pm 2.0\%$ $\pm 1.0\%$ $\pm 2.0\%$ $\pm 1.0\%$ $\pm 2.0\%$ SETUP, RISE TIME 2500ms, 60ms/115VAC 1200ms, 60ms/230VAC HOLD UP TIME (Typ.) 30ms at full load **VOLTAGE RANGE** 90 ~ 264VAC 127 ~ 370VDC **FREQUENCY RANGE** 47 ~ 63Hz PF≧0.97/115VAC at full load **POWER FACTOR** PF≥0.92/230VAC INPUT 86% 86% 86% EFFICIENCY(Typ.) 83% 3A/115VAC AC CURRENT (Typ.) 1.5A/230VAC **INRUSH CURRENT (Typ.)** COLD START 58A/230VAC LEAKAGE CURRENT <3 5mA / 240VAC CH1: 105 ~ 170% rated output power Normally work within 10 sec and then shut down, re-power on to recover Over 180% rated power or short circuit, constant current limiting within 10 sec and then shut down, re-power on to recover OVERLOAD CH2: 101 ~ 150% rated output power **PROTECTION** Protection type: Hiccup mode, recovers automatically after fault condition is removed 5.5 ~ 6.75V 27.6 ~ 32.4V 5.5 ~ 6.75V 40 ~ 48V 5.5~ 6.75V 54 ~ 64.8V $5.5 \sim 6.75 \text{V}$ Protection type: Shut down o/p voltage, re-power on to recover for CH1; Hiccup mode, recovers automatically afer fault condition **OVER VOLTAGE** is removed for CH2(by zener diode clamp) **OVER TEMPERATURE** Shut down o/p voltage(CH1), recovers automatically after temperature goes down **FUNCTION** REMOTE CONTROL CN52: Open=CH1 & CH2 power on; Short = CH1 power off, CH2 power on; when CH2 is malfunction, CH1 will be shut down WORKING TEMP. -20 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing **ENVIRONMENT** STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.05%/°C (0 ~ 50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min each along X, Y, Z axes UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved SAFETY STANDARDS WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC SAFETY & ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH **EMC** (Note 4) Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 **EMC EMISSION** Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2, heavy industry level, EAC TP TC 020 **EMC IMMUNITY** MTBF 2091.7K hrs min. Telcordia SR-332 (Bellcore); 150.5K hrs min. MIL-HDBK-217F (25°C) **DIMENSION OTHERS** 222*95*40mm (L*W*H) 0.74Kg; 18pcs/14.3Kg/0.98CUFT

NOTE

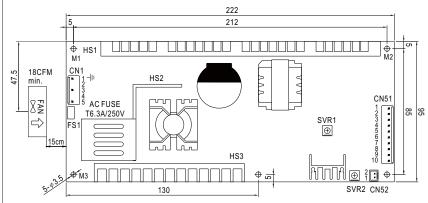
- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $^{\circ}\text{C}$ of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance : includes 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 https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 5. Derating may be needed under low input voltage. Please check the derating curve for more details.
- 6. Peak current should reduce to 150% of rated value if the input voltage <110VAC.
- 7. Heat Sink HS1,HS2,HS3 can not be shorted.
- $8. \ The \ ambient \ temperature \ derating \ of \ 3.5^{\circ} \text{C}/1000 \text{m} \ with \ fan less \ models \ and \ of \ 5^{\circ} \text{C}/1000 \text{m} \ with \ fan \ models \ for \ operating \ altitude \ higher \ than \ 2000m(6500ft).$
- X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

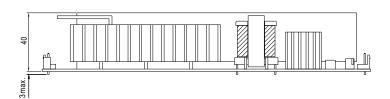
回报的数回 经数3分类数据





(Unit: mm, tolerance ± 1mm)





AC Input Connector (CN1): JST B5P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	FG ±	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2,4	No Pin		
3	AC/N		
5	AC/L		

±: Grounding Required

DC Output Connector (CN51): JST B10P-VH or equivalent

	Pin No.	Assignment	Mating Housing	Terminal
	1,2,3	COM1	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
ĺ	4,5,6	V1		
	7,8	COM2		
	9,10	V2		

Remote ON/OFF Connector(CN52):JST B2B-XH or equivalent

Pin No.	Status	Mating Housing	Terminal	
PIN1,2 (Short)	V1: OFF V2: ON	JST XHP or equivalent	JST SXH-001T-P0.6 or equivalent	
PIN1,2 (Open)	V1: ON V2: ON			

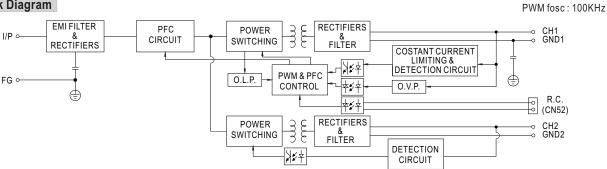
PFC fosc: 100KHz

SVR1 For CH1 SVR2 For CH2



- 1.HS1,HS2,HS3 cannot be shorted.
- CN1:Pin1 is safety ground. For better EMC performance,Please secure an electrical connection between M1,M2,M3,and chassis grounding.

■ Block Diagram



■ Derating Curve

■ Output Derating VS Input Voltage

