



Features:

- Universal AC input / Full range
- Low leakage current <250µA
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 3 years warranty







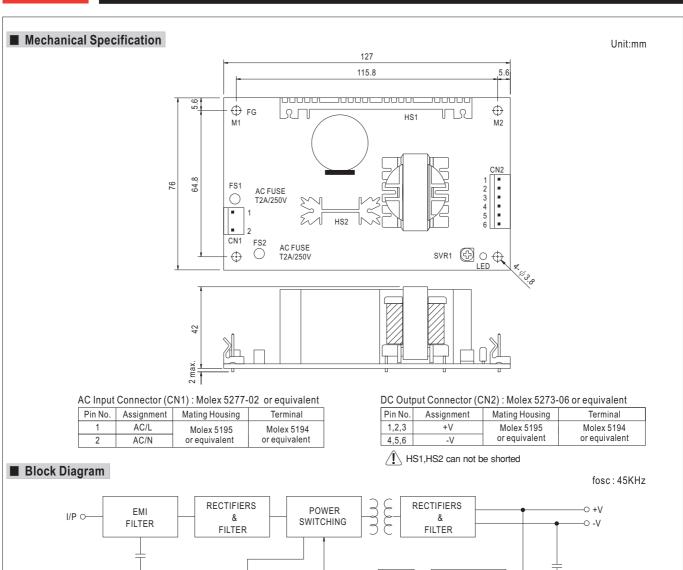


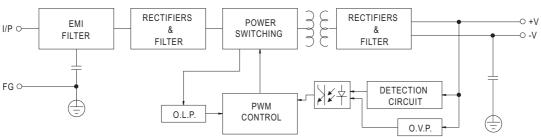
SPECIFICATION

MODEL		MPS-65-3.3	MPS-65-5	MPS-65-7.5	MPS-65-12	MPS-65-13.5	MPS-65-15	MPS-65-24	MPS-65-27	MPS-65-48
WODEL	DO VOLTA OF									
ОИТРИТ	DC VOLTAGE	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	RATED CURRENT	12A	12A	8A	5.2A	4.7A	4.2A	2.7A	2.4A	1.35A
	CURRENT RANGE	0 ~ 15.2A	0 ~ 13.8A	0 ~ 9.6A	0 ~ 6A	0 ~ 5.4A	0 ~ 4.8A	0 ~ 3A	0 ~ 2.7A	0 ~ 1.5A
	RATED POWER	39.6W	60W	60W	62.4W	63.45W	63W	64.8W	64.8W	64.8W
	OUTPUT POWER (max.)	72W(+3.3V:50W;+5V:69W)with 18CFM min. Forced air convection								
	RIPPLE & NOISE (max.) Note.2		100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	2.97 ~ 3.63V			10.8 ~ 13.2V			21.6 ~ 26.4V		43.2 ~ 52.8
	VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	SETUP, RISE TIME	800ms, 30ms/230VAC 800ms, 30ms/115VAC at full load								
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load								
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 440Hz								
	EFFICIENCY(Typ.)	66%	74%	76%	77%	78%	79%	80%	80%	80%
	AC CURRENT (Typ.)	1.6A/115VAC 0.9A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 17A/115VAC 35A/230VAC								
	LEAKAGE CURRENT Note.7	Earth leakage current < 250μA/264VAC , Touch leakage current < 60μA/264VAC								
PROTECTION		73 ~ 105W (3.3V:51 ~ 75W)(5V:70 ~ 105W) rated output power								
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	3.8 ~ 4.46V 5.75 ~ 6.75V 8.63 ~ 10.1V 13.8 ~ 16.2V 15.5 ~ 18.2V 17.25 ~ 20.25V 27.6 ~ 32.4V 31 ~ 36.45V 55.2 ~ 64.8V								
		Protection type : Hiccup mode, recovers automatically after fault condition is removed								
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.04%°C (0~50°C)								
		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	VIBRATION SAFETY STANDARDS	ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1 approved								
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
SAFETY &	0.									
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
(Note 4)	EMC EMISSION	Compliance to EN55011 (CISPR11) Class B, EN61000-3-2,-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN60601-1-2, medical level, criteria A								
	MTBF	359.7Khrs min. MIL-HDBK-217F (25℃)								
	DIMENSION	127*76*42mm (L*W*H)								
	PACKING	0. 1	s/14.6Kg/1.350							
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives. For guidan (as available on http://www.	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets note on how to perform these EMC tests, please refer to "EMI testing of component power supplies." meanwell.com) 2 should be grounded for EMI purposes.								

- 5. Mounting holes M1 and M2 should be grounded for EMI purposes.6. Heat Sink HS1,HS2 can not be shorted.7. Touch current was measured from primary input to DC output.







■ Derating Curve

■ Static Characteristics

