



Наличие и актуальные цены на

**PS-65-3.3**

<https://www.mean-well.ru/store/PS-65-3.3/>



#### ■ Features :

- Universal AC input/Full range
- Low leakage current<0.75mA
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 65KHz
- 2 years warranty

User's Manual



UL62368-1



EN62368-1

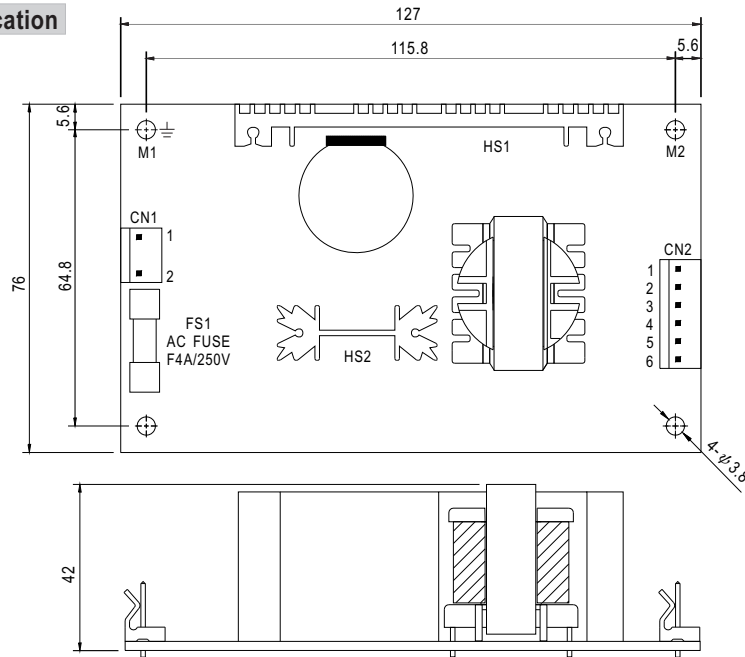


IEC62368-1

#### SPECIFICATION

| MODEL                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PS-65-3.3                                                                                                                                                | PS-65-5      | PS-65-7.5    | PS-65-12     | PS-65-13.5   | PS-65-15       | PS-65-24     | PS-65-27      | PS-65-48     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|----------------|--------------|---------------|--------------|
| OUTPUT                   | 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.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rated output power for convection; 72W (+3.3V : 50W;+5V:69W) with 18 CFM min. Forced air                                                                 |              |              |              |              |                |              |               |              |
|                          | RIPPLE & NOISE (max.) Note.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 80mVp-p                                                                                                                                                  | 100mVp-p     | 100mVp-p     | 100mVp-p     | 100mVp-p     | 100mVp-p       | 100mVp-p     | 100mVp-p      | 100mVp-p     |
|                          | VOLTAGE ADJ. RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3.14 ~ 3.63V                                                                                                                                             | 4.75 ~ 5.5V  | 7.13 ~ 8.25V | 11.4 ~ 13.2V | 12.8 ~ 14.9V | 14.25 ~ 16.5V  | 22.8 ~ 26.4V | 25.65 ~ 29.7V | 45.6 ~ 52.8V |
|                          | 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, 20ms at full load                                                                                                                                 |              |              |              |              |                |              |               |              |
| HOLD UP TIME (Typ.)      | 60ms at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                          |              |              |              |              |                |              |               |              |
| INPUT                    | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 90 ~ 264VAC      127 ~370VDC                                                                                                                             |              |              |              |              |                |              |               |              |
|                          | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 47 ~ 440Hz                                                                                                                                               |              |              |              |              |                |              |               |              |
|                          | EFFICIENCY(Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 69%                                                                                                                                                      | 76%          | 79%          | 79%          | 79%          | 79%            | 80%          | 80%           | 80%          |
|                          | AC CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.2A/115VAC      0.72A/230VAC                                                                                                                            |              |              |              |              |                |              |               |              |
|                          | INRUSH CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | COLD START 20A/115VAC      40A/230VAC                                                                                                                    |              |              |              |              |                |              |               |              |
| LEAKAGE CURRENT          | <0.75mA / 240VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                          |              |              |              |              |                |              |               |              |
| PROTECTION               | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 73 ~ 105W(3.3V : 51 ~ 75W)(5V : 70 ~ 105W) rated output power<br>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 |
| ENVIRONMENT              | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -10 ~ +60℃ (Refer to "Derating Curve")                                                                                                                   |              |              |              |              |                |              |               |              |
|                          | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20 ~ 90% RH non-condensing                                                                                                                               |              |              |              |              |                |              |               |              |
|                          | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -20 ~ +85℃, 10 ~ 95% RH                                                                                                                                  |              |              |              |              |                |              |               |              |
|                          | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ±0.04%/℃ (0 ~ 50℃)                                                                                                                                       |              |              |              |              |                |              |               |              |
|                          | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                                  |              |              |              |              |                |              |               |              |
| SAFETY & EMC<br>(Note 4) | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UL62368-1, TUV EN62368-1 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%/ 70% RH                                                                                                 |              |              |              |              |                |              |               |              |
|                          | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3                                                                                                  |              |              |              |              |                |              |               |              |
| OTHERS                   | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A                                                                        |              |              |              |              |                |              |               |              |
|                          | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300.7K hrs min.    MIL-HDBK-217F (25℃)                                                                                                                   |              |              |              |              |                |              |               |              |
|                          | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 127*76*42mm (L*W*H)                                                                                                                                      |              |              |              |              |                |              |               |              |
|                          | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.21Kg; 54pcs/14.2Kg/1.28CUFT                                                                                                                            |              |              |              |              |                |              |               |              |
| NOTE                     | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation.<br>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> )<br>5. Mounting holes M1 and M2 should be grounded for EMI purposes.<br>6. Heat Sink HS1,HS2 can not be shorted. |                                                                                                                                                          |              |              |              |              |                |              |               |              |

### Mechanical Specification



AC Input Connector (CN1) : Molex 5277-02 or equivalent

| Pin No. | Assignment | Mating Housing           | Terminal                 |
|---------|------------|--------------------------|--------------------------|
| 1       | AC/N       | Molex 5195 or equivalent | Molex 5194 or equivalent |
| 2       | AC/L       |                          |                          |

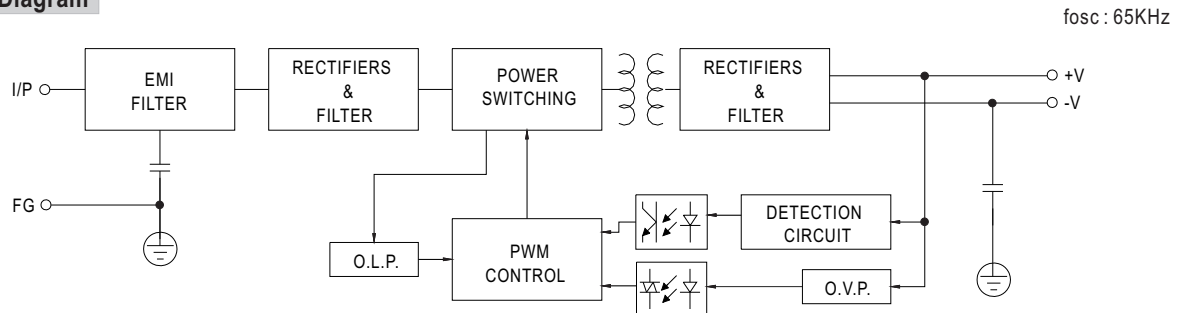
DC Output Connector (CN2) : Molex 5273-06 or equivalent

| Pin No. | Assignment | Mating Housing           | Terminal                 |
|---------|------------|--------------------------|--------------------------|
| 1,2,3   | +V         | Molex 5195 or equivalent | Molex 5194 or equivalent |
| 4,5,6   | -V         |                          |                          |

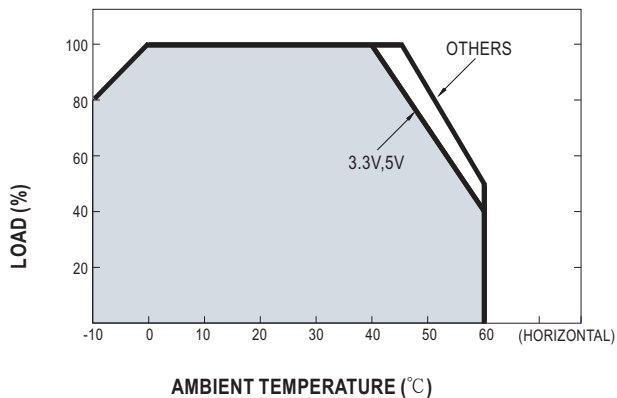
⏏ : Grounding Required

⚠ 1.HS1,HS2 cannot be shorted  
2.M1 is safety ground

### Block Diagram



### Derating Curve



### Output Derating VS Input Voltage

