



## ● Features

- Input Voltage Range (AC90~264V)
- Built-in Inrush Current Limiter
- Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Auto-Remote Mode

## ● Specifications

| ITEM                     |                                | MODEL                                                             |        | WYSP－50D05A<br>WYSP－50D05B |        | WYSP－50D0512A<br>WYSP－50D0512B |        | WYSP－50D0524A<br>WYSP－50D0524B |        | WYSP－50D12A<br>WYSP－50D12B |        | WYSP－50D15A<br>WYSP－50D15B |  |
|--------------------------|--------------------------------|-------------------------------------------------------------------|--------|----------------------------|--------|--------------------------------|--------|--------------------------------|--------|----------------------------|--------|----------------------------|--|
| INPUT                    | VOLTAGE                        | 110VAC...1.2A/220VAC...0.6A(Full Load)                            |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | FREQUENCY                      | 50/60Hz(47～440Hz or DC)                                           |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | EFFICIENCY                     | 65% typ                                                           |        | 70% typ                    |        | 70% typ                        |        | 70% typ                        |        | 70% typ                    |        |                            |  |
|                          | INRUSHCURRENT                  | 110VAC...6.8A/220VAC...13.5A (Io=100%, Ta=25℃ at cold start)      |        |                            |        |                                |        |                                |        |                            |        |                            |  |
| OUTPUT<br>CIRCUIT        | VOLTAGE (V)                    | 5                                                                 | 9      | 5                          | 12     | 5                              | 24     | 12                             | 12     | 15                         | 15     |                            |  |
|                          | CURRENT (A)                    | 5.0                                                               | 2.7    | 3.0                        | 3.0    | 3.0                            | 1.5    | 2.0                            | 2.0    | 1.6                        | 1.6    |                            |  |
|                          | REGULATION LINE (mV)           | 25Max                                                             | 45Max  | 25Max                      | 60Max  | 25Max                          | 120Max | 60Max                          | 60Max  | 75Max                      | 75Max  |                            |  |
|                          | REGULATION LOAD (mV)           | 50Max                                                             | 90Max  | 50Max                      | 120Max | 50Max                          | 240Max | 120Max                         | 120Max | 150Max                     | 150Max |                            |  |
|                          | RIPPLE (mVp－p)                 | 50Max                                                             | 90Max  | 50Max                      | 120Max | 50Max                          | 240Max | 120Max                         | 120Max | 150Max                     | 150Max |                            |  |
|                          | RIPPLE NOISE (mVp-p)           | 100Max                                                            | 140Max | 100Max                     | 170Max | 100Max                         | 290Max | 170Max                         | 170Max | 200Max                     | 200Max |                            |  |
|                          | TEMPERATURE DRIFT 0 ～ 50℃ (mV) | 50Max                                                             | 90Max  | 50Max                      | 120Max | 50Max                          | 240Max | 120Max                         | 120Max | 150Max                     | 150Max |                            |  |
|                          | RISE TIME (mS)                 | 100Max (AC IN 85V Io=100%)                                        |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | HOLDING TIME (mS)              | 10typ (AC IN 85V Io=100%)                                         |        |                            |        |                                |        |                                |        |                            |        |                            |  |
| PROTECTION<br>CIRCUIT    | OVER CURRENT PROTECTION        | Works at over 110% of rating and recovers automatically           |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | OVER VOLTAGE PROTECTION        | －                                                                 |        |                            |        |                                |        |                                |        |                            |        |                            |  |
| ELECTRICALLY<br>ISOLATED | INPUT－OUTPUT                   | AC 1,500V 1minute, DC 500V 100MΩ (At room temperature & Humidity) |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | INPUT－CASE.FG                  | AC 1,500V 1minute, DC 500V 100MΩ (At room temperature & Humidity) |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | OUTPUT－CASE                    | AC 500V 1minute, DC 500V 100MΩ (At room temperature & Humidity)   |        |                            |        |                                |        |                                |        |                            |        |                            |  |
| ENVIRONMENT              | OPERATING TEMP.AND HUMID       | 0 ～ +50℃, 20 ～ 90% RH (Non Condensing)                            |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | STORAGE TEMP. AND HUMID        | －20 ～ +75℃, 20 ～ 90% RH (Non Condensing)                          |        |                            |        |                                |        |                                |        |                            |        |                            |  |
| GENERAL                  | COOLING                        | Natural cooling                                                   |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | FUNCTION                       | －                                                                 |        |                            |        |                                |        |                                |        |                            |        |                            |  |
|                          | WEIGHT (kg)                    | 0.5                                                               |        |                            |        |                                |        |                                |        |                            |        |                            |  |

# SWITCHING MODE POWER SUPPLY

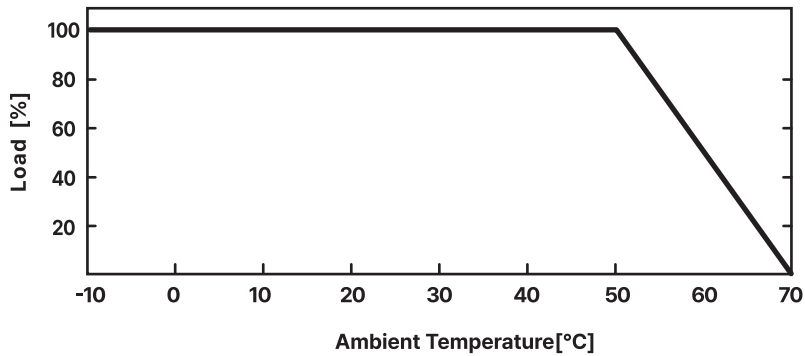
WYES®

스위칭전원장치

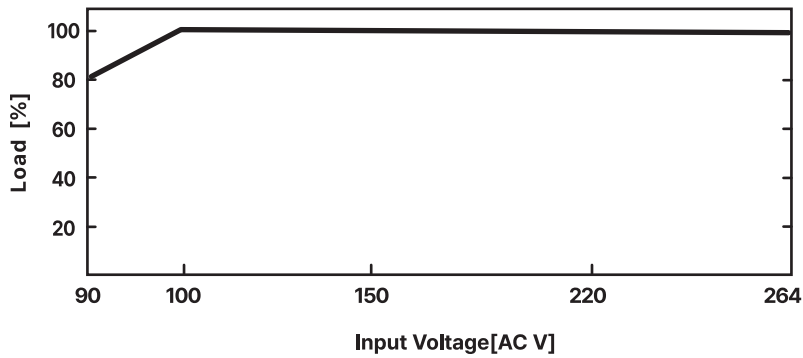
SP Series 2CH-50W

CE RoHS

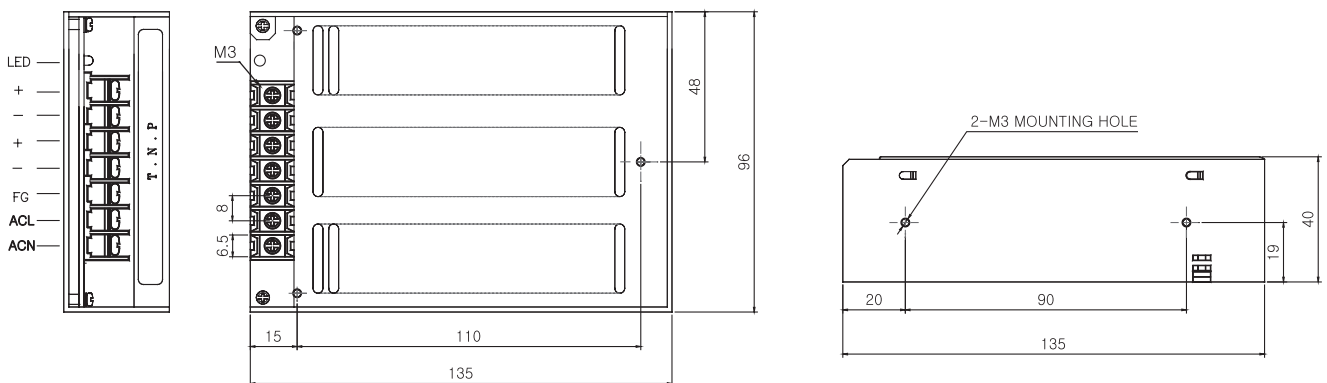
## Derating Curve For Ambient



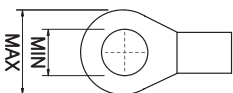
## Derating Curve For Input Voltage



## Dimension



## Terminal



Max 6 , Min 3