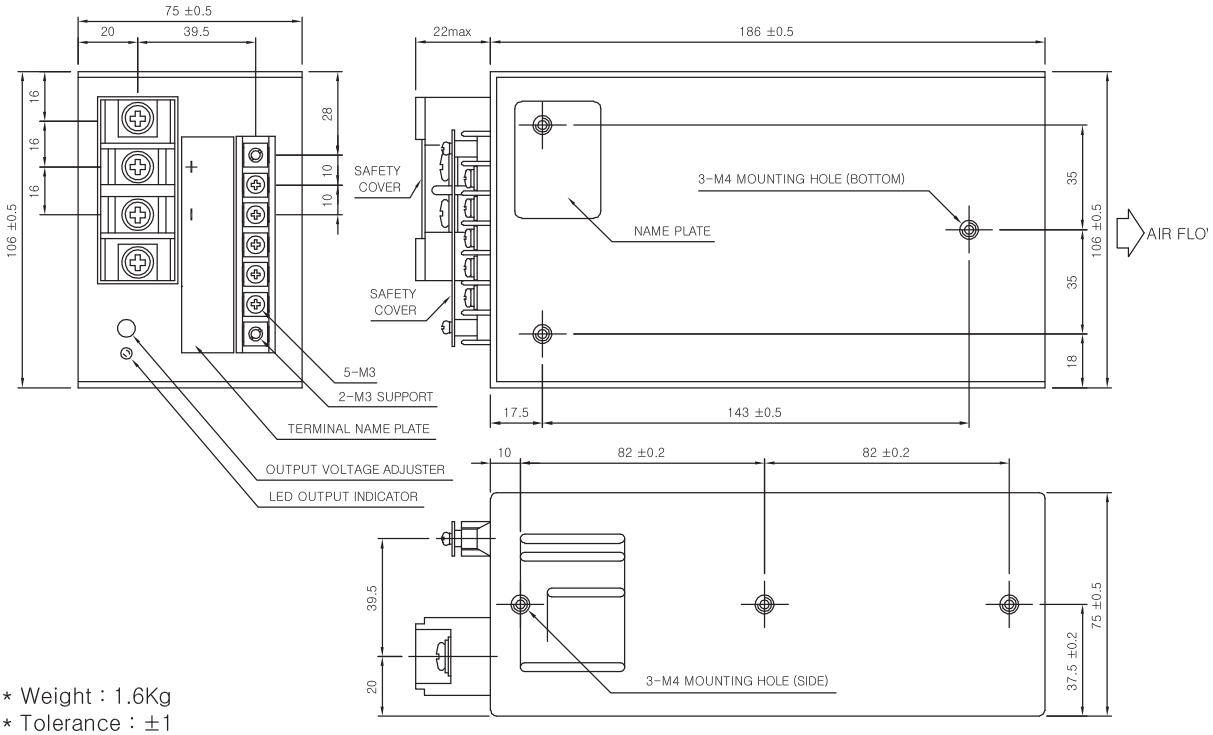
# ESF300-S SPECIFICATIONS

| | MODEL | | ESF300-05 | ESF300-12 | ESF300-15 | ESF300-24 |
|---|---|---|---|---|---|---|
| INPUT | VOLTAGE, FREQUENCY | | AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC255 ~ 370V), 50/60Hz (47 ~ 440Hz) User Selectable | | | |
| | CURRENT [A] | 110V | 5.5 ($I_o$=100%) | | | |
| | | 220V | 3.5 ($I_o$=100%) | | | |
| | EFFICIENCY [%] | 110V | 73 typ | 78 typ | 78 typ | 83 typ |
| | | 220V | | | | |
| | INRUSH CURRENT | | 30A typ(AC IN 110V, $I_o$=100%), 60A typ(AC IN 220V, $I_o$=100%) at cold start. | | | |
| OUTPUT | VOLTAGE | [V] | 5 | 12 | 15 | 24 |
| | CURRENT | [A] | 6 ~ 60 | 2.5 ~ 25 | 2 ~ 20 | 1.25 ~ 12.5 |
| | REGULATION, LINE | [mV] | 50 Max | 120 Max | 150 Max | 240 Max |
| | REGULATION, LOAD | [mV] | 50 Max | 120 Max | 150 Max | 240 Max |
| | RIPPLE | [mVp-p] | 50 Max | 120 Max | 150 Max | 240 Max |
| | RIPPLE, NOISE | [mVp-p] | 100 Max | 170 Max | 200 Max | 290 Max |
| | TEMPERATURE DRIFT 0~+50°C | [mV] | 75 Max | 180 Max | 225 Max | 360 Max |
| | RISE TIME | [ms] | 500 Max (AC IN 110V/220V $I_o$=100%) | | | |
| | HOLDING TIME | [ms] | 16 typ (AC IN 110V/220V $I_o$=100%) | | | |
| PROTECTION CIRCUIT | OVER CURRENT PROTECTION | | Works at over 110% of rating and recovers automatically | | | |
| | OVER VOLTAGE PROTECTION | | Works at 115 ~ 140% of rating | | | |
| ELECTRICALLY ISOLATED | INPUT-OUTPUT | | AC 1,500V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity) | | | |
| | INPUT-CASE, FG | | AC 1,500V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity) | | | |
| | OUTPUT-CASE, FG | | AC 500V 1 minute current 100mA, DC 500V 100MΩ (At room temperature & Humidity) | | | |
| ENVIRONMENT | OPERATING TEMP AND HUMID | | -10 ~ +50°C, 20 ~ 90% RH(Non Condensing) | | | |
| | STORAGE TEMP AND HUMID | | -20 ~ +75°C, 20 ~ 90% RH(Non Condensing) | | | |
| | VIBRATION | | 10 ~ 55Hz at 1G, 3 minutes period, 30 minutes along X, Y and Z axis | | | |
| | IMPACT | | 10G for 20ms once on each X, Y and Z axis | | | |
| SAFETY | SAFETY REGULATION | | Complied with UL60950-1, EN60950-1, IEC60950-1 | | | |
| | LINE CONDUCTED RF VOLTAGE | | Complied with FCC Part 15 and EN 55022 Class A Limits | | | |

# ESF300-S EXTERNAL VIEW




* Weight : 1.6Kg
* Tolerance : ±1
* Dimensions in mm