

ESF1000A-S SPECIFICATIONS

| | MODEL | ESF1000A-05 | ESF1000A-12 | ESF1000A-15 | ESF1000A-24 | ESF1000A-48 |
|-----------------------|--------------------------------|---|-----------------------------|-------------|-------------|-------------|
| INPUT | VOLTAGE, FREQUENCY | AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC255~370V), 50/60Hz (44~440Hz) User Selectable | | | | |
| | CURRENT [A] | 110V | 22.0 (I _c =100%) | | | |
| | | 220V | 11.0 (I _c =100%) | | | |
| | EFFICIENCY [%] | 110V | 78 typ | 81 typ | 81 typ | 83 typ |
| | 220V | | | | | |
| | INRUSH CURRENT | 30A typ(AC IN 110V, I _c =100%), 60A typ(AC IN 220V, I _c =100%) at cold start. | | | | |
| OUTPUT | VOLTAGE [V] | 5 | 12 | 15 | 24 | 48 |
| | CURRENT [A] | 200 | 83 | 65 | 42 | 21 |
| | REGULATION, LINE [mV] | 25 Max | 60 Max | 75 Max | 120 Max | 240 Max |
| | REGULATION, LOAD [mV] | 100 Max | 120 Max | 150 Max | 240 Max | 480 Max |
| | RIPPLE [mVp-p] | 100 Max | 120 Max | 150 Max | 240 Max | 480 Max |
| | RIPPLE, NOISE [mVp-p] | 150 Max | 170 Max | 190 Max | 290 Max | 530 Max |
| | TEMPERATURE DRIFT 0~+50°C [mV] | 50 Max | 120 Max | 150 Max | 240 Max | 430 Max |
| | RISE TIME [ms] | 800 Max (AC IN 110V/220V I _c =100%) | | | | |
| | HOLDING TIME [ms] | 10 typ (AC IN 110V/220V I _c =100%) | | | | |
| PROTECTION CIRCUIT | OVER CURRENT PROTECTION | Works at over 110% of rating and recovers automatically | | | | |
| | OVER VOLTAGE PROTECTION | Works at 115 ~ 140% of rating Protection type: Shut down o/p voltage, re-power on to recover | | | | |
| 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 ~ +85°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 | - | | | | |
| | LINE CONDUCTED RF VOLTAGE | - | | | | |

ESF1250-S SPECIFICATIONS

| | MODEL | ESF1250-3R3 | ESF1250-05 | ESF1250-09 | ESF1250-12 |
|-----------------------|---|---|-----------------------------|-----------------------------|------------|
| INPUT | VOLTAGE, FREQUENCY | AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC240~370V), 50/60Hz (47~440Hz) User Selectable | | | |
| | CURRENT [A] | 110V | 20.0 (I _c =100%) | 27.0 (I _c =100%) | |
| | | 220V | 10.0 (I _c =100%) | 13.5 (I _c =100%) | |
| | EFFICIENCY [%] | 110V | 70 typ | 78 typ | 80 typ |
| | 220V | | | | |
| | INRUSH CURRENT | 30A typ(AC IN 110V, I _c =100%), 60A typ(AC IN 220V, I _c =100%) at cold start. | | | |
| OUTPUT | VOLTAGE [V] | 3.3 | 5 | 9 | 12 |
| | CURRENT [A] | 250 | 250 | 139 | 104 |
| | REGULATION, LINE [mV] | 25 Max | 25 Max | 45 Max | 60 Max |
| | REGULATION, LOAD [mV] | 50 Max | 50 Max | 90 Max | 120 Max |
| | RIPPLE [mVp-p] | 50 Max | 50 Max | 90 Max | 120 Max |
| | RIPPLE, NOISE [mVp-p] | 100 Max | 100 Max | 140 Max | 170 Max |
| | TEMPERATURE DRIFT 0~+50°C [mV] | 75 Max | 75 Max | 135 Max | 180 Max |
| | RISE TIME [ms] | 800 Max (AC IN 110V/220V I _c =100%) | | | |
| HOLDING TIME [ms] | 17 typ (AC IN 110V/220V I _c =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 | - | | | |
| | LINE CONDUCTED RF VOLTAGE | - | | | |