# FES 30-05,12,15,24,48

SINGLE OUTPUT



■ ORDERING INFORMATION

FES 30- □□

- Optional : Terminal type(A)
- Output voltage combination
- Total output wattage
- Series name

※ Terminal type (Non) : Standard terminal
( A ) : Angle terminal

■ Cooling by Free Air Convection
■ Universal AC input / Full rage
■ Built-in Inrush Current
■ Protections: Short circuit/Overload
Over voltage/Over temperature
■ Complies with FCC-A
■ 100% Full load Burn-in test
■ 2 Years Warranty

■ SPECIFICATIONS

| | MODEL | | FES 30W-05V | FES 30W-12V | FES 30W-15V | FES 30W-24V | FES 30W-48V |
|---|---|---|---|---|---|---|---|
| INPUT | VOLTAGE,FREQUENCY | | AC 85~264V, 47~63Hz | | | | |
| | CURRENT (A) | 220V | 0.4 | 0.38 | 0.38 | 0.38 | 0.38 |
| | EFFICIENCY (%) | 220V | 72 | 75 | 75 | 75 | 75 |
| | INRUSH CURRENT (A) | | 40A typ(AC IN 220V, $I_o$=100%) at cold start. | | | | |
| | LEAKAGE CURRENT (at 220VAC, 60Hz) (mA) | | 0.5< | | | | |
| OUTPUT | VOLTAGE (V) | | 5 | 12 | 15 | 24 | 48 |
| | CURRENT (A) | | 6 | 2.5 | 2 | 1.25 | 0.63 |
| | LINE REGULATION (mV) | | 19 | 47 | 58 | 97 | 189 |
| | LOAD REGULATION (mV) | | 40 | 95 | 115 | 187 | 376 |
| | RIPPLE, NOISE (mVp-p) | | 100 | 120 | 150 | 200 | 250 |
| | OUTPUT VOLTAGE ADJ. RANGE (V) | | 4~6 | 9.6~14.4 | 12~18 | 19.2~28.8 | 38.4~52.8 |
| | O.V.P (V) | | 6.25~7.25 | 15~17.4 | 18.8~21.8 | 30~34.8 | 55.2~64.8 |
| | START-UP TIME (mS) | | 100 Max (AC IN 187V $I_o$=100%) | | | | |
| | HOLD-UP TIME (mS) | | 10 typ (AC IN 187V $I_o$=100%) | | | | |
| PROTECTION CIRCUIT | OVER CURRENT PROTECTION | | Works at over 110% of rating and recovers automatically | | | | |
| | OVER VOLTAGE PROTECTION | | Works at 115 ~ 140% of rating | | | | |
| ISOLATION | INPUT-OUTPUT | | AC 3,000V 1 minute, DC 500V 100MΩ (At Room Temperature & Humidity) | | | | |
| | INPUT-CASE · FG | | AC 2,000V 1 minute, DC 500V 100MΩ (At Room Temperature & Humidity) | | | | |
| | OUTPUT-CASE | | AC 500V 1 minute, DC 500V 100MΩ (At Room Temperature & Humidity) | | | | |
| ENVIRONMENT | OPERATING TEMP. AND HUMID. | | -10~+50℃ , 20~90% RH(Non Condensing) | | | | |
| | STORAGE TEMP. AND HUMID. | | -20~+75℃ , 20~90% RH(Non Condensing) | | | | |
| | VIBRATION | | 10~55Hz at 1G 3 minutes periods, 30 minutes along X,Y and Z axis | | | | |
| | IMPACT | | 10G for 20ms, Once on each X, Y and Z axis | | | | |
| SAFETY AND NOISE REGULATIONS | SAFETY REGULATION | | Meets UL 1950, CSA-22.2 , EN60950 | | | | |
| | LINE CONDUCTED RF VOLTAGE | | Conducted EMI Meets FCC Class A | | | | |
| OTHERS | DIMENSION | | 82.0×82.0×32.8(L×W×H) | | | | |
| | QUALITY ASSURANCE | | 2 Year Warranty | | | | |