

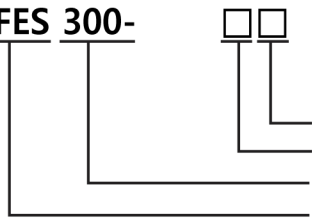
# FES 300-05,12,15,24,48

SINGLE OUTPUT



## ORDERING INFORMATION

**FES 300-**



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

- Resonant Converter
- Cooling by Free Air Convection
- Input Voltage Range (AC IN 198V ~ 264V)
- 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

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

## SPECIFICATIONS

	MODEL	FES 300W-05V	FES 300W-12V	FES 300W-15V	FES 300W-24V	FES 300W-48V
INPUT	VOLTAGE,FREQUENCY	AC 198~264V, 47~63Hz				
	CURRENT (A) 220V	2.0	2.0	2.0	2.0	2.0
	EFFICIENCY (%) 220V	84	89	90	91	92
	INRUSH CURRENT (A)	40A typ(AC IN 220V, I <sub>o</sub> =100%) at cold start.				
	LEAKAGE CURRENT (mA) (at 220VAC, 60Hz)	0.5<				
OUTPUT	VOLTAGE (V)	5	12	15	24	48
	CURRENT (A)	50	23.4	18.7	11.7	5.83
	LINE REGULATION (mV)	20	45	62	97	189
	LOAD REGULATION (mV)	42	97	115	189	378
	RIPPLE, NOISE (mVp-p)	120	150	150	200	250
	OUTPUT VOLTAGE ADJ. RANGE (V)	4~6	9.6~14.4	12~18	19.2~28.8	38.4~53
	O.V.P (V)	6.25~7.25	15~17.4	19~23	31~33	34~65
	START-UP TIME (mS)	100 Max (AC IN 198V I <sub>o</sub> =100%)				
HOLD-UP TIME (mS)	10 typ (AC IN 198V I <sub>o</sub> =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°C , 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	81.0×194.5×62.0(L×W×H)				
	QUALITY ASSURANCE	2 Year Warranty				