

ESF1250-S SPECIFICATIONS

		MODEL	ESF1250-15	ESF1250-24	ESF1250-28	ESF1250-48	
INPUT	VOLTAGE, FREQUENCY		AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC240 ~ 370V), 50/60Hz (47 ~ 440Hz) User Selectable				
	CURRENT	[A]	110V	27.0 (I _c =100%)			
			220V	13.5 (I _c =100%)			
	EFFICIENCY	[%]	110V	81 typ	83 typ	83 typ	85 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]	15	24	28	48	
	CURRENT	[A]	83	52	45	26	
	REGULATION, LINE	[mV]	75 Max	120 Max	140 Max	240 Max	
	REGULATION, LOAD	[mV]	150 Max	240 Max	280 Max	480 Max	
	RIPPLE	[mVp-p]	150 Max	240 Max	280 Max	480 Max	
	RIPPLE, NOISE	[mVp-p]	200 Max	290 Max	330 Max	530 Max	
	TEMPERATURE DRIFT 0~+50°C	[mV]	225 Max	360 Max	420 Max	720 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	-					

ESF1250A-S SPECIFICATIONS

		MODEL	ESF1250A-05	ESF1250A-12	ESF1250A-15	ESF1250A-24	ESF1250A-48
INPUT	VOLTAGE, FREQUENCY		AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC255 ~ 370V), 50/60Hz (44 ~ 440Hz) User Selectable				
	CURRENT	[A]	110V	27.0 (I _c =100%)			
			220V	13.5 (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]	250	104	83	52	26
	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 ~ +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	-					