

ESF1500-S SPECIFICATIONS

		MODEL	ESF1500-3R3	ESF1500-05	ESF1500-09	ESF1500-12	
INPUT	VOLTAGE, FREQUENCY		AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC240 ~ 370V), 50/60Hz (47 ~ 440Hz) User Selectable				
	CURRENT	[A]	110V	24.0 (I _o =100%)	32.0 (I _o =100%)		
			220V	12.0 (I _o =100%)	16.0 (I _o =100%)		
	EFFICIENCY	[%]	110V	70 typ	78 typ	80 typ	81 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]	3.3	5	9	12	
	CURRENT	[A]	300	300	167	125	
	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 _o =100%)				
	HOLDING TIME	[ms]	17 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		-				
	LINE CONDUCTED RF VOLTAGE		-				

ESF1500-S SPECIFICATIONS

		MODEL	ESF1500-15	ESF1500-24	ESF1500-28	ESF1500-48
INPUT	VOLTAGE, FREQUENCY		AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC240 ~ 370V), 50/60Hz (47 ~ 440Hz) User Selectable			
	CURRENT	[A]	110V	32.0 (I _o =100%)		
			220V	16.0 (I _o =100%)		
	EFFICIENCY	[%]	110V	81 typ	83 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]	15	24	28	48
	CURRENT	[A]	100	63	54	32
	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 _o =100%)			
	HOLDING TIME	[ms]	17 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		-			
	LINE CONDUCTED RF VOLTAGE		-			