

ORDERING INFORMATION



# FDR 15-24

Series name

Total output wattage

Output voltage combination

- Low cost
- Compact Size
- Universal AC input full range
- Installation on DIN rail 30mm only
- PFC as standard(180W, 240W)
- Over voltage protection
- Over current protection
- LED indicator for DC power ON
- LED indicator for DC low
- 3 years warranty



## FDR15-S SPECIFICATIONS



	MODEL		FDR15-05	FDR15-12	FDR15-24
INPUT	VOLTAGE, FREQUENCY		AC100-240V (AC 90 ~ 264V or DC 127 ~ 370V), 50/60Hz (47 ~ 63Hz), Universal input		
	CURRENT	[A]	110V	0.45 (I <sub>o</sub> =100%)	
			220V	0.3 (I <sub>o</sub> =100%)	
	EFFICIENCY	[%]	110V	74 typ	79 typ
220V			72 typ	77 typ	79 typ
INRUSH CURRENT		20A typ (AC IN 110V, I <sub>o</sub> =100%), 40A typ (AC IN 220V, I <sub>o</sub> =100%) at cold start.			
OUTPUT	VOLTAGE	[V]	5	12	24
	CURRENT	[A]	2	1.2	0.65
	VOLTAGE ADJUSTMENT RANGE	[V]	4.5 ~ 5.5	10.8 ~ 13.2	21.6 ~ 26.4
	REGULATION, LINE	[mV]	25	60	120
	REGULATION, LOAD	[mV]	50	120	240
	RIPPLE, NOISE MAX	[mV]	120	150	150
	TEMPERATURE DRIFT	[mV]	75	180	360
	RISE TIME	[ms]	560 Max (AC IN 110V I <sub>o</sub> =100%)		
HOLDING TIME	[ms]	20 typ (AC IN 110V I <sub>o</sub> =100%)			
FUNCTION	OVER CURRENT PROTECTION	[A]	Works at over 110 ~ 150% of rating and recovers automatically		
	OVER VOLTAGE PROTECTION	[V]	Works at 115 ~ 140% of rating		
	DC_OK LAMP	-	LED (GREEN)		
	DC_LOW LAMP	-	LED (RED)		
	PARALLEL / SERIES OPERATON	-	-		
Cooling / O.T.P	-	Convention Coling			
ELECTRICALLY ISOLATED	INPUT-OUTPUT		AC 3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)		
	INPU-FG		AC 2,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)		
	OUTPUT-FG		AC 500V 1 minute current 100mA, DC 500V 100MΩ (At room temperature & Humidity)		
ENVIRONMENT	OPERATING TEMP AND HUMID		-25 ~ +70°C(Required Derating), 20 ~ 90% RH (Non Condensing)		
	STORAGE TEMP AND HUMID		-40 ~ +85°C, 20 ~ 90% RH (Non condensing)		
	VIBRATION		10 ~ 55Hz at 2G, 1 minutes period, 1 hour along X, Y and Z axis		
SAFETY	SAFETY REGULATION		UL, C-UL, CE, CB	UL, C-UL, CE, CB	UL, C-UL, CE, CB
EMISSION	CONDUCTED EMISSION		Complied with FCC Part 15 ClassB, VCCI-B, CLSPR22-B, EN55022-B		