

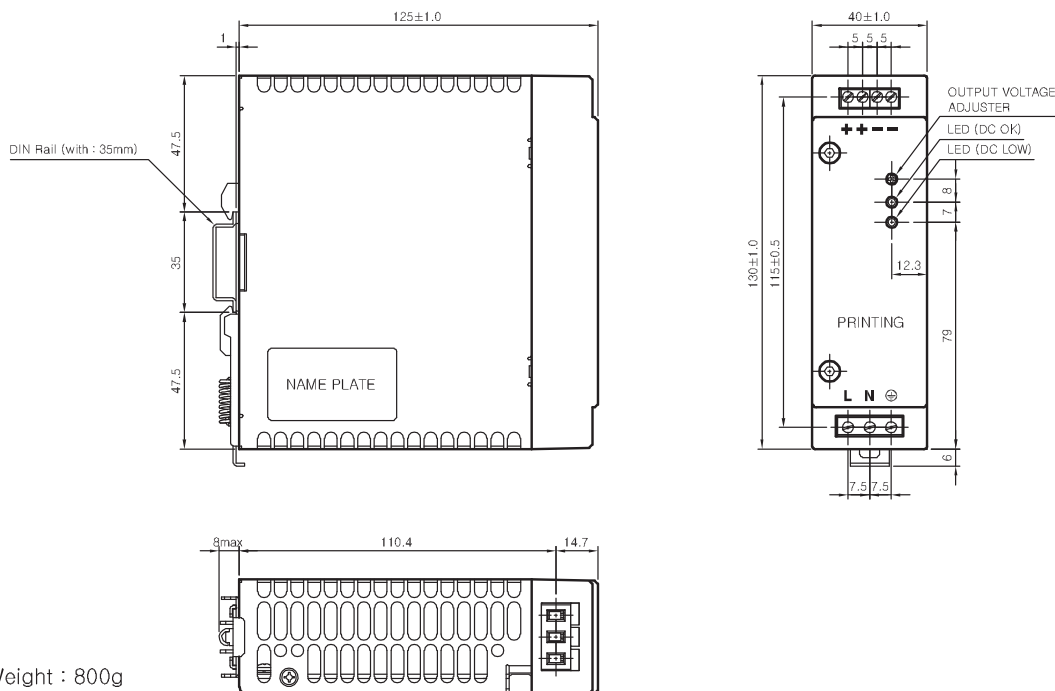
## FDR120-S SPECIFICATIONS



MODEL		FDR120-24	FDR120-48
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC 90 ~ 264V or DC 127 ~ 370V), 50/60Hz (47 ~ 63Hz), Universal input	
	CURRENT [A]	110V	2.4 (I <sub>o</sub> =100%)
		220V	1.4 (I <sub>o</sub> =100%)
	EFFICIENCY [%]	110V	85 typ
220V		87 typ	88 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]	24	48
	CURRENT [A]	2.2	1.1
	VOLTAGE ADJUSTMENT RANGE [V]	22.5 ~ 28.5	45 ~ 55
	RATED POWER [W]	240	240
	REGULATION, LINE [mV]	120	240
	REGULATION, LOAD [mV]	240	480
	RIPPLE, NOISE (pk-pk) *NOTE1 [mV]	100	120
	TEMPERATURE DRIFT [mV]	360	720
	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, current limiting	
	OVER VOLTAGE PROTECTION [V]	30 ~ 35	60 ~ 65
	DC_OK LAMP	LED (GREEN)	
	DC_LOW LAMP	LED (RED)	
	PARALLEL / SERIES OPERATON	Series operations is possible	
Cooling / O.T.P	Convention Coling		
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC 3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)	
	INPUT-CASE, FG	AC 2,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)	
	OUTPUT-CASE, FG	AC 500V 1 minute current 20mA, 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
EMISSION	CONDUCTED EMISSION	Complied with EN55011 / EN55022-B, FCC-B	
PFHC	HARMONIC CURRENT	Complied with EN61000-3-2 (Class-A)	

NOTE1 : Terminated with 0.1uF & 47uF parallel capacitor [Bandwidth = 20MHz], Ta = 0°C ~ 70°C

## FDR120-S EXTERNAL VIEW



- \* Weight : 800g
- \* Tolerance : ±1
- \* Dimensions in mm