

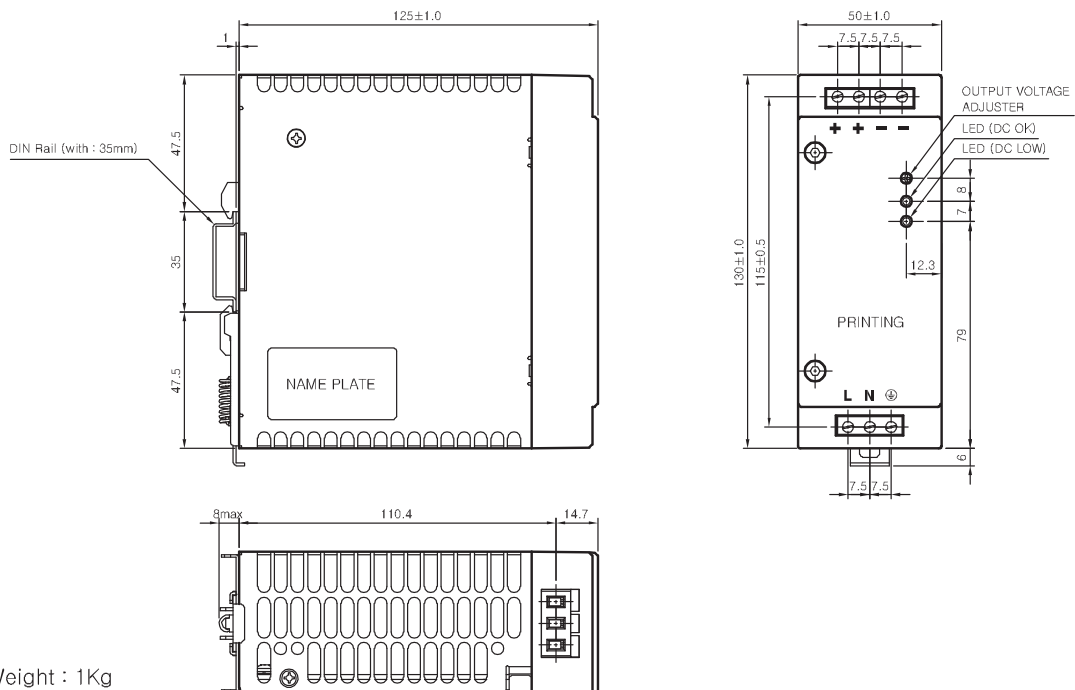
## FDR180-S SPECIFICATIONS



	MODEL	FDR7180-24	FDR180-48	
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC 90 ~ 264V or DC 127 ~ 370V), 50/60Hz (47 ~ 63Hz), Universal input		
	CURRENT [A]	110V	2.0 (I <sub>o</sub> =100%)	
		220V	1.0 (I <sub>o</sub> =100%)	
	EFFICIENCY [%]	110V	88 typ	90 typ
		220V	90 typ	92 typ
	POWER FACTOR	110V	0.98 typ	
220V		0.93 typ		
	INRUSH CURRENT	50A typ (AC IN 110V / 220V, I <sub>o</sub> =100%) at cold start.		
OUTPUT	VOLTAGE [V]	24	48	
	CURRENT [A]	7.5	3.8	
	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]	3600 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, current limiting with auto-recovery		
	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

## FDR180-S EXTERNAL VIEW



- \* Weight : 1Kg
- \* Tolerance : ±1
- \* Dimensions in mm