



# ETA-USA

The Power Professionals

## WRD-FWX-F-W

## 120W AC/DC



### Features

- Dual Output
- WRD20FWX-F-W: 12V, 24V
- WRD24FWX-F-W: 5V, 12V
- WRD21FWX-F-W: 5V, 24v
- Short circuit protection-Auto recovery
- Over temperature protection-Auto shutdown
- Over load protection-Auto recovery
- **2 year warranty**



**RoHS**

PENDING

MODEL/CHANNEL		Unit	WRD20FWX-F-W		WRD21FWX-F-W		WRD24FWX-F-W	
<b>OUTPUT</b>	Nominal Voltage	V	+12V	+24V	+5V	+24V	+5V	+12V
	Current	A	0.15~6	0.15~3.5	0~10	0.15~3.5	0~10	0.15~6
	Ripple	mV	80	120	80	120	50	120
	Line Regulations	mV	±5% nominal output					
	Load Regulations	mV	±5% nominal output					
	Efficiency	%	80 Full load					
	Maximum Power	V	120					
	Hold-up Time typ.	ms	>16 typ [AC IN 100V, lo=100%]					
<b>INPUT</b>	Voltage, Frequency	V	AC90~264V; 47~63Hz					
	Current Typ.	A	2.5A at 110VAC; 1.25A at 230VAC (lo=100%)					
	Inrush Current Typ.	A	<40A typ.(AC IN 110V, lo=100%), <80A typ (AC IN 220V, lo=100%) at cold start					
	Power Factor	-	>0.9 at 115VAC full load; >0.95 at 230VAC full load					
<b>Function</b>	Over Temp. Protection	V	Auto shutdown					
	Over Current Protection	A	Works at 110% to 160% over rated current and recovers automatically					
	Short Circuit Protection	-	Auto recovery once condition is removed					
<b>Electrical Isolation</b>	Input - Output	-	Auto recovery once condition is removed					
	Operating temp. & Humidity	-	5 to 95%					
	Storage temp. & Humidity	-	0 to +60°C(2.5% derating from 41 to 60°C)/-40 to +85°C					
	MTBF	-	>100,000 full load and 25°C ambient					
<b>Dimension</b>	Size(LxWxH) / Weight	mm/g	127L x 80.5W x 40H(180)/500					
	<b>Safety</b>	-	CB, CE, UL, C-UL					
	Certification	-	FCC Class B Part 15, CISPR22 Class B, EN55032 Class B, CE					

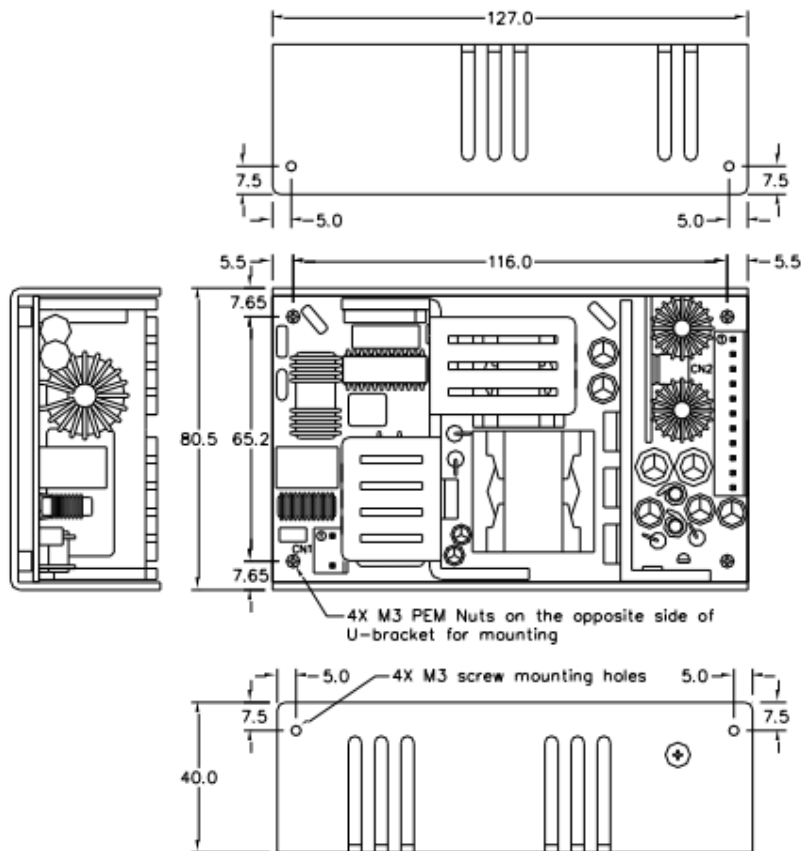


# ETA-USA

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## Dimension Diagram (mm)



Mark	Pin Connection
L	AC input line
N	AC input neutral
FG	AC Chassis Ground





## Output Pins

	1	2	3	4	5	6	7	8	9	10	11
WRD20FWFWX-F-W	-	-	-	-	-	-	GND	GND	+12V	+12V	+24V
WRD21FWFWX-F-W	-	+24V	GND	GND	+5V	+5V	-	-	-	-	-
WRD24FWFWX-F-W					+5V	+5V	GND	GND	+12V	+12V	-

