



AOFD-240

240W Din Rail Mount



AOFD-240



FEATURES:

- Universal AC input 90~264 VAC and 127~370 VDC
- Flexible Din Rail Mount
- Industrial Temp Range -25 ~ +70°C range
- Rugged Design
- **Warranty: 3 years**
- 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

	MODEL/CHANNEL	Unit	AOFD240-24	AOFD240-48
OUTPUT	Normal Voltage	V	24	48
	Setting Voltage Range	V	23.76 ~ 24.24	47.52 ~ 48.48
	Voltage Adjustment Range	V	22.5 ~ 28.5	45 ~ 55
	Current	A	10	5
	Rated Power	W	240	240
	Line Regulations	mV	120	240
	Load Regulations	mV	240	480
	Temperature Drift	mV	360	720
	Ripple & Noise(pk-pk) (*1)	mV	100	120
	Turn-on Time typ.	ms	3600 (AC IN 100V, Io=100%)	
	Hold-up Time typ.	ms	20 (AC IN 100V, Io=100%)	
INPUT	Voltage, Frequency	V	AC100-240(AC 90-264, 50/60Hz(47-63) or DC127-370V (Universal Input))	
	Current Typ.	110V 220V	A	2.5 1.25
	Efficiency Typ.	110V 220V	%	89 91
	Power factor Typ.	110V 220V	-	0.98 (Io= 100%) 0.93 (Io= 100%)
	Inrush Current Typ.	110V 220V	A	50 (Ta=25°C, Io=100% at Cold Start)
	Leakage Current	110V 220V	mA	0.45 (Typ.) 0.75 (Typ.)
	1mA Max			
Function	Over Voltage Protection	V	125% ~ 146% of rating	
	Over Current Protection	A	110% of rating and recovers automatically	
	DC_OK Lamp	-	240	
	DC_LOW Lamp	-	LED (RED)	
	Parallel/Series Operation	-	Series operations is possible	
Electrical Isolation	Cooling / O.T.P	-	Convention Cooling	
	(1) Input - Output	-	AC 3KV 1 min, cut-off: 20mA / DC 500V 100MΩ	
	(2) Input - F.G	-	AC 2KV 1 min, cut-off: 20mA / DC 500V 100MΩ	
Environment	(3) Output - F.G	-	AC 0.5KV 1 min, cut-off:100mA / DC 500V 100MΩ	
	Operating temp. & Humidity	-	-25 ~ +70°C(Required Derating), 20 ~ 90%RH (Non Condensing)	
	Storage temp. & Humidity	-	-40 ~ +75°C, 20 ~ 90% RH (Non Condensing)	
Dimension	Vibration	-	10~55Hz at 1G 3 minutes period, 30 minutes along X,Y and Z axis	
	Size(WxLxH) / Weight	mm/g	60x125x130/1200	
	Safety	-	cUL, UL, CE, CB	
	Emission	-	Conducted Emission Complies with EN55022-B	
	PFHC	-	Harmonic Current Complies with EN61000-3-2 (Class-D)	

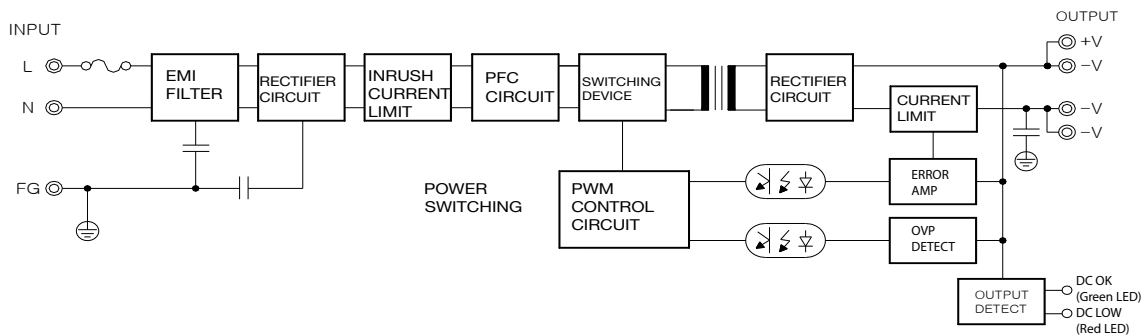




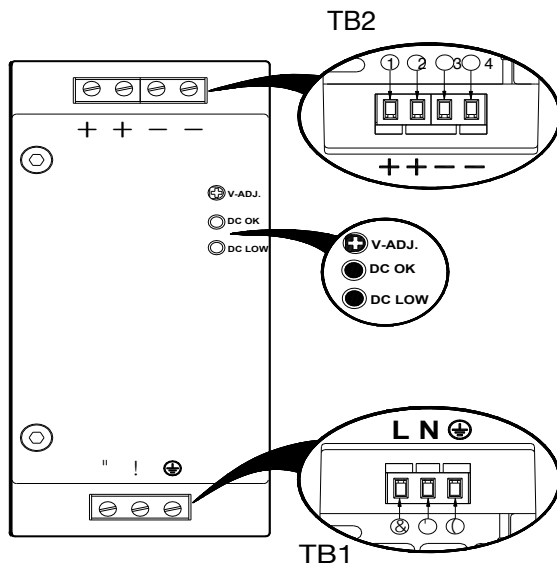
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1. BLOCK DIAGRAM



2. Terminal Pin Assignment and Front Controls



Marking	No.	Assignment
L	①	AC(L) Input Terminals
N	②	AC(N) Input Terminals
⊕	③	AC Grounding Terminal

TB2 : Output Terminal Assignment

Marking	No.	Assignment
+	①	DC (+) Output Terminals
+	②	
-	③	DC (-) Output Terminals
-	④	

Front Controls Assignment

Marking	Assignment
V-ADJ.	DC Output voltage adjustment
DC OK	DC Output indication LED (Green)
DC LOW	DC Output Low indication LED (Red)

3. Connection / Connecting Cable

Terminals	Solid or Stranded Wires		Torque	Stripping Length
	[mm ²]	[AWG]		
Input Terminals	(TB1)	0.5 ~ 2.5	30 ~ 12	0.5~0.6 8
Output Terminals	(TB2)	0.5 ~ 2.5	30 ~ 12	0.5~0.6 8

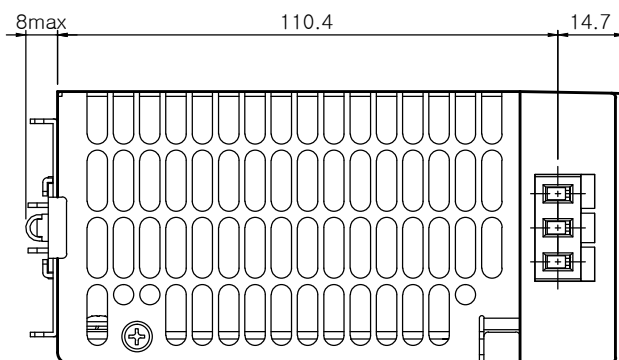
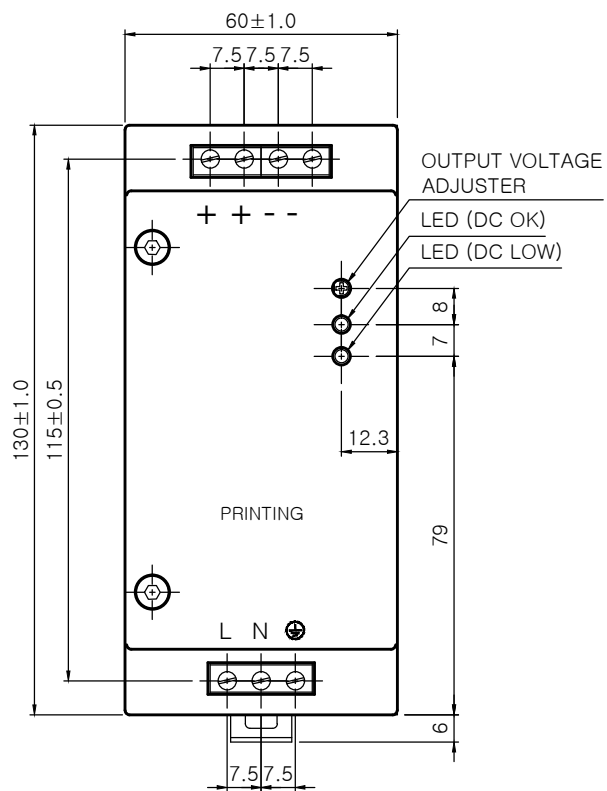
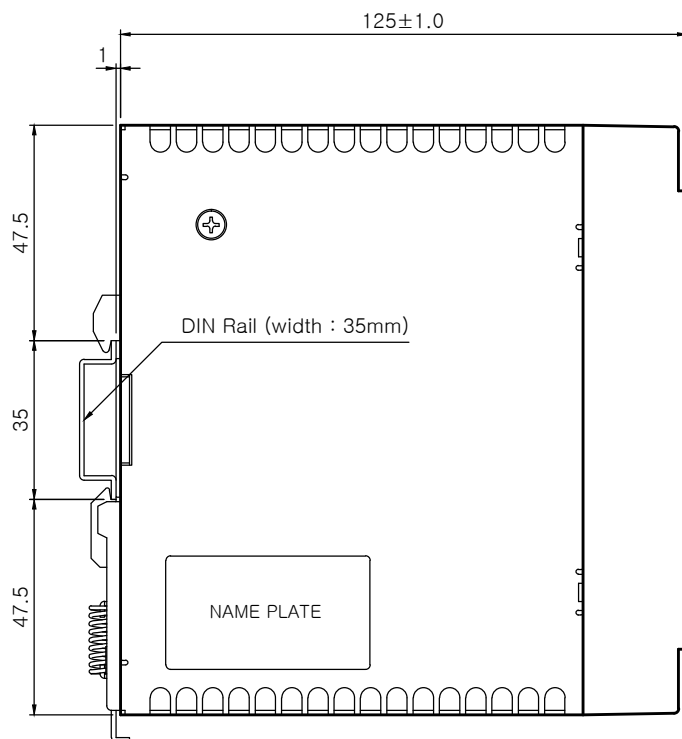




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AOFD-240

240W Din Rail Mount



AOFD240-S

- * Weight : 1.2Kg
- * Tolerance : ± 1
- * Dimensions in mm



ETA-USA

16170 Vineyard Blvd. Suite 180 Morgan Hill, CA 95037 <http://www.eta-usa.com>
Toll-free (US only): 800-ETA-POWR (800-382-7697) Telephone: 408 778-2793 FAX: 408-779-2753

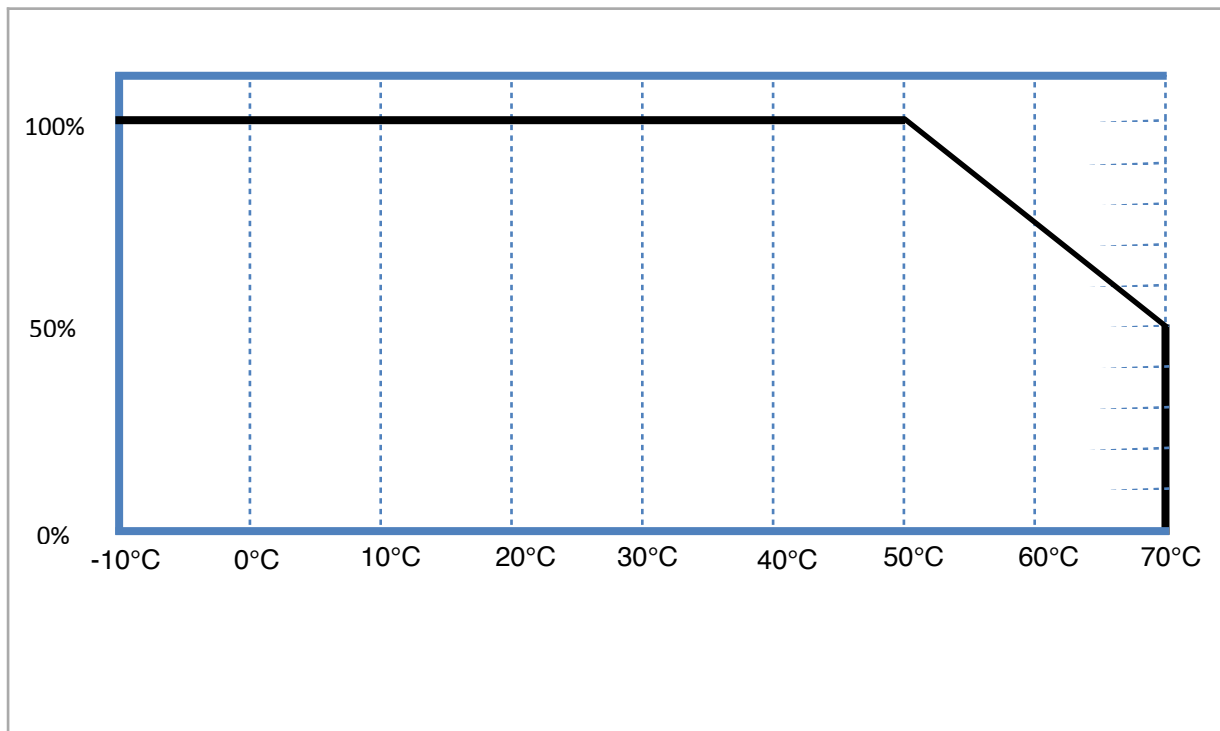


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Output Derating Curve



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Mouser Electronics

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