



# ETA-USA

The Power Professionals

## AOJS 50

## 50W AC/DC



### Features

- Small Size Height 82mm 50-150 2U
- 50~150
- Wide Input voltage range  
free voltage
- Over voltage protection
- Overcurrent protection
- High power factor built in PFC circuit
- **4 Yr warranty**

CE  $\text{UL}$   $\text{UL}$  CB

	MODEL/CHANNEL	Unit	AOJS50-3.3	AOJS50-05	AOJS50-09	AOJS50-12
OUTPUT	Nominal Voltage	V	3.3	5	9	12
	Setting Voltage Range	V	3.27~3.33	4.95~5.05	8.91~9.09	11.88~12.12
	Current	A	10	10	5.6	4.3
	Rated Power	W	33	50	50	50
	Line Regulations	mV	25	25	45	60
	Load Regulations	mV	50	50	90	120
	Temperature Drift	mV	50	75	135	180
	Ripple& Noise(pk-pk) (*1)	mV	120	120	140	170
	Turn-on Time typ.	ms	500(AC IN 85V, Io=100%)			
Hold-up Time typ.	ms	17(AC IN 85V, Io=100%)				
INPUT	Voltage, Frequency	V	AC100-240(AC85-264), 50/60HZ(47-63) or DC125-370V (Universal Input)			
	Current Typ.	110V 220V	A	0.5 0.3	0.7 0.4	
	Efficiency	110V 220V	%	77 78	81 82	79 81
	Power Factor Typ.	110V 220V	-	0.98 0.93	0.99 0.95	
	Inrush Current Typ	110V 220V	A	20 (Ta= 25°C, Cold Start, I=100%) 40 (Ta= 25°C, Cold Start, I=100%)		
	Leakage Current 1mA Max	110V 220V	mA	0.4 0.75		



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## 50W AC/DC

MODEL/CHANNEL		Unit	AOJS50-15	AOJS50-24	AOJS50-48
OUTPUT	Nominal Voltage	V	15	24	48
	Setting Voltage Range	V	14.85~15.15	23.76~24.24	47.52~48.48
	Current	A	3.5	2.2	1.1
	Rated Power	W	50	50	50
	Line Regulations	mV	75	120	240
	Load Regulations	mV	150	240	480
	Temperature Drift	mV	225	360	720
	Ripple & Noise(pk-pk) (*1)	mV	200	290	530
	Start-up, Rise Time typ.	ms	500 (AC IN 85V, Io=100%)		
	Hold-up Time typ.	ms	17 (AC IN 85V, Io=100%)		
INPUT	Voltage, Frequency	V	AC100-240(AC85-264), 50/60Hz(47-63) or DC125-370V(Universal Input)		
	Current 110V Typical 220V	A	0.7 0.4		
	Efficiency 110V Typ. 220V	%	81 83	82 84	83 85
	Inrush Current 110V Typical 220V	A	20 (Ta=25°C, Cold Start, I=100%) 40 (Ta=25°C, Cold Start, I=100%)		
	Leakage 110V Current Max 220V	mA	0.4 0.75		
Function	Over Voltage Protection	V	Works at 115~140% of rating		
	Over Current Protection (*2)	A	Works @105% ~135% of rating		
	Parallel/Series Operation	-	Series operation possible		
	Cooling /O.T.P	-	Convection cooling		
Isolation	Input - Output	-	AC 3 KV 1min., cut off: 20mA/DC 500V 100 MO		
	Input - F.G	-	AC 2 KV 1min., cut-off: 20mA/DC500V 100 MO		
	Output - F.G	-	AC 0.5 KV 1min., cut-off: 100mA/DC500V 100 MO		
Environment	Operating temp. & Humidity	-	-10 ~+70°C 20~90% RH (NON condensing)		
	Storage temp. & Humidity	-	-20 ~+75°C with derating. 20~90% RH (NON condensing)		
	Vibration	-	10~55Hz @ 1G 3 minutes PERIOD, 30 minutes along X,Y & Z axis		
	Safety	-	CB, CE, UL, C -UL EN60950-1, UL60950-1 approved		
	Emission	-	Complies with EN55022-B Complies with IEC61000-3-2		
Dimension	Size(LxWxH) /Weight	mm/g	120Lx82Wx32H/300		



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