



AOPS 100

100W AC/DC



Features

- Small Size
- Built in PFC circuit
- Wide Input voltage range 100-240 VAC
- Over voltage protection
- Overcurrent protection
- 4 Yr warranty**



MODEL/CHANNEL		Unit	AOPS100-3.3	AOPS100-5	AOPS100-9	AOPS100-12	AOPS100-15	AOPS100-24	AOPS100-48	
OUTPUT	Nominal Voltage	[V]	3.3	5.0	9.0	12.0	15	24	48	
	Current peak	[A]	20	20	11	8.4	6.7	4.2	2.1	
	Ripple	[mV]	80	80	90	120	150	240	480	
	Line Regulations	[mV]	25	25	45	60	75	120	240	
	Load Regulations	[mV]	50	50	90	120	150	240	480	
	Temperature Drift	[mV]	50	75	135	180	225	360	720	
	Ripple & Noise(pk-pk) (*1)	[mV]	120	120	140	170	200	290	530	
	Turn-on Time typ.	[ms]	1000 (AC IN 110/220V, Io=100%)							
	Hold-up Time typ.	[ms]	17 (AC IN 110/220V, Io=100%)							
INPUT	Voltage, Frequency	[V]	AC100-240 (AC85-264), 50/60Hz(47 - 63) or DC125-370V(Universal Input)							
	Current Typ. 110V 220V	[A]	0.9 0.45	1.3 0.65						
	Efficiency 110V 220V	[%]	75 80	81 83	81 85	82 85	79 82	81 84	81 83	
	Power Factor Typ. 110V 220V	-	0.99 (Io=100%) 0.95 (Io=100%)							
	Inrush Current Typ. 110V 220V	[A]	20 (Ta= 25 Degrees Celsius, Cold Start) 40 (Ta=25 Degrees Celsius, Cold Start)							
	Function	Over Voltage Protection	[V]	Works @ 115-140% pf						
Over Current Protection (*2)		[A]	Works @105%~135% of rating.							
Electrical Isolation	(1) Input - Output	-	AC 3.0 KV 1min., cut-off: 20mA / DC 500V 100 MO							
	(2) Input - F.G	-	AC 2.0 KV 1min., cut-off: 20mA / DC 500V 100 MO							
	(3) Output - F.G	-	AC 0.5 KV 1min., cut-off: 100mA / DC 500V 100 MO							
Environment	Operating temp. & Humidity	-	-10 ~+70 C (with derating, Io=100% to 50% when 50C to 71C) 20~90% RH (NON condensing)							
	Storage temp. & Humidity	-	-20 ~+75 C , 20~90% RH (NON condensing)							
	Vibration	-	10~55Hz @ 1 G 3minutes PERIOD, 30minutes along X,Y & Z axis							
	Impact	-	10G for 20ms, once on each X, Y, Z axis							
Dimension	Size(WxDxH) / Weight	mm/g	165 * X 81.2 X 36.5/ 400							
Safety	CB, CE, UL, C-UL	-	Approved							
Emission	Conducted Emission	-	Complies with EN55022-B							
PFHC	Harmonic Current	-	Complies with IEC61000-3-2							

