

FATEK[®]

Power Supplies

by Rohtek Automation



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425-328-8445
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FATEK® Power Supplies

- Universal AC input
- High power density
- Compact design
- Convection cooled
- DIN rail
- Great reliability
- Overload protection
- Over voltage protection
- Short circuit protection
- LED power indicator
- cULus



Spec.		Model	ADP-24V-1A	ADP-24V-2A	ADP-24V-4A
Input	Input voltage		100~240Vac		
	Frequency		50/60Hz		
	Maximum input current		1A max.	1A max.	2.5A max.
	Inrush current (cold start)		22A/115Vac (44A/230Vac)		
Output	Rated output power		24W	48W	96W
	Output voltage		24V		
	Output current		1A	2A	4A
	Output voltage range		23.6V~27.4V(adjustable)		
	Conversion efficiency		87%/110Vac, 86%/220Vac	86%/110Vac, 87%/220Vac	87%/110Vac, 90%/220Vac
	Output ripple		55mv max.*		130mv max.*
	Output noise		70mv max.*	145mv max.*	265mv max.*
	Hold-up time		>20ms/ 110Vac, >60ms/ 220Vac	>15ms/ 110Vac, >60ms/ 220Vac	>15ms/ 110Vac, >50ms/ 220Vac
	Startup time		35ms/110Vac, 30ms/220Vac	35ms/110Vac, 32ms/220Vac	58ms/110Vac, 30ms/220Vac
Protection	Overload protection	Method	Foldback overload protection, automatically recover when overload is removed		
		Overload	108%~145% rated output power	101%~133% rated output power	107%~114% rated output power
	Over voltage protection	Method	Latching overvoltage protection, re-power on to recover		
		Overvoltage	33V~40V		
	Short circuit protection	Overload protection			
Certifications	cULus/CE	EMC & LVD			
Environmental	Operating temperature	-20° C~45° C			
	Operating humidity	Non-condensing 20%~90%			
Note	Output ripple & noise are measured by a 20MHz bandwidth oscilloscope under the output terminals are connected in parallel with a 0.1uF ceramic & a 47 uF electrolytic capacitors.				



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