

ADP-30WFP-CV(24) Constant Voltage Source for LED drive



Features

- AC 100-242V Wide input voltage range
- Fixed 24V output voltage (Other voltages available)
- Active PFC correction, PF>0.9
- Low input current THD (Meet IEC61000-3-2 Class C)
- Encapsulated, compact size, IP65 available
- Long life time over 40.000 Hr
- High efficiency
- Over current, Short protection circuit
- RoHS compatible
- KC, KS-Korea, PSE

Applications

- LED Lighting
- Advertising Light panel

Electrical characteristics

Parameter	Symbol	Conditions	Specification*			Unit
			Min	Typ	Max	
Input supply voltage	V_{IN}		100	220	242	V_{AC}
Input current	I_{IN}	$V_{IN}=220V, P_{OUT}=24W$	0.13	0.14	0.15	A
Power consumption	P_{IN}	$V_{IN}=220V, P_{OUT}=24W$		28	30	W
Power factor	$\text{Cos}\theta$	$V_{IN}=220V, P_{OUT}=24W$	0.9			
Output voltage	V_O	$P_{OUT}= 3\sim 24W$	23.5	24.0	24.5	V
Output current	V_O	$V_{IN}=220V$	0.1		1.0	A
Efficiency		$V_{IN}=220V, P_{OUT}=24W$		85		%

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Absolute maximum ratings

Lower Input supply voltage (V_{IN})	-----	90V
Higher Input supply voltage (V_{IN})	-----	265V
Output current (I_o)	-----	1.0A
Input power	-----	32VA
Ambient operating temperature	-----	-10 °C to 50 °C
Storage temperature range	-----	-30 °C to 80 °C
Operating & storage humidity	-----	10 % to 85 %

Input & Output Wire or terminals

- AC Input : White & Black, 0.75mm² HVSF, JET/PSE/KS, 180mm Length
- DC Output : DC+ : Red, AWG-22, 230mm Length
- DC- : Black, AWG-22, 230mm Length

Mechanical dimensions

Tolerance : ± 0.5
Unit : mm

