

ADP-80WLL**60~100W Constant Current Source for LED drive**

30~46V/1.8A

**Features**

- AC 180-264V high line input voltage
- Flicker free, Constant current output (1.5~2.0A)
- 30 ~46V wide constant current operation range
- High PF(PF>0.95)
- Low input current THD (Meet IEC61000-3-2 Class C)
- High Input surge immunity (4KV/L-L, 4KV/L-FG)
- Protections for Short circuit, Over load and Over temp.
- Encapsulated, Compact size, IP65 or IP67 available
- Long life time over 40.000 Hr
- High efficiency
- RoHS
- 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}		180	220	242	V_{AC}
Input current	I_{IN}	$V_{IN}=220V, 90W$	0.40	0.42	0.44	A
Available power input range	P_{IN}	$V_{IN}=220V$	60		100	W
Power factor	$\text{Cos}\theta$	$V_{IN}=220V, 90W$		0.98		
Output current	I_O	$V_{IN}=220V$	1.75	1.80	1.85	A
Available output voltage	V_O	$V_{IN}=220V$	30		46	V
No load output voltage	V_{o-open}	$V_{IN}=220V$		56	60	V
Efficiency		$V_{IN}=220V, 90W$	86	89		%

Absolute maximum ratings

Lower Input supply voltage (V_{IN})	-----	180V
Higher Input supply voltage (V_{IN})	-----	264V
Maximum output voltage with load	-----	48V
Minimum output voltage with load	-----	28V
Maximum output current (I_o)	-----	2.0A
Input power	-----	110W
Ambient operating temperature	-----	-20 °C to 50 °C
Storage temperature range	-----	-30 °C to 80 °C
Operating & storage humidity	-----	10 % to 85 %

Input & Output Cable

AC Input : UL Rated 0.75mm²×3C – 400±20mm
 Brown or Black ; AC/Live
 Blue or White ; AC/Neutral
 Green/Yellow ; FG

DC Output : UL Rated 1.0mm²×2C – 400±20mm
 Red ; DC+
 Black ; DC-

Mechanical dimensions

Weight : 400g

Tolerance : ± 0.5
Unit : mm