

DR-30 series

High reliability

105°C output capacitor

AC input power suitable for the world

High efficiency and low operation temperature

Soft-start current can reduce the AC input effects

Short-circuit and overload protection

100% full-load burn-in test

Installed with EMI filter, minimum wave



Specification\ Model	DR-30-5	DR-30-12	DR-30-15	DR-30-24
DC output voltage	5V	12V	15V	24V
Output voltage range	±2%	±1%	±1%	±1%
Rated output current	3A	2A	2A	1.5A
Output current range	0-3A	0-2A	0-2A	0-1.5A
Wave and noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p
Inlet stability	±1%	±1%	±1%	±1%
Load stability	±1%	±1%	±1%	±1%
DC output power	25W	42W	42W	48W
Efficiency	74%	81%	82%	83%
Adjustable range for DC voltage	47.5-5.5V	10.8-13.2V	13.5-16.5V	21.6-26.4V
AC input voltage range	86~264VAC 47-63Hz / 120-370VD			
Input current	1.5A/115V, 0.75A/230V,			
AC inrush current	Cold-start current 30A/115V 60A/230V,			
Leakage current	<1mA/240VAC,			
Overload protection	105%~150% type: Cut off output Reset: auto recovery			
Temperature coefficient	±0.03%/°C (0-50°C)			
Setup/rise/hold up time	800ms, 60ms, 50ms/230VAC,			
Vibration	10-500Hz, 2G 10Min,/1 cycle, period for 60 min, each axes,			
Withstand voltage	Input and output internal: 1.5KVAC, input and enclosure: 1.5KVAC, output and enclosure: 0.5KVAC			
Isolation resistance	Input and output internal: Input and enclosure, output and enclosure: 500VDC/100MΩ			
Working temperature and humidity	-10°C~+60°C (Refer to output curve), 20%~90%RH,			
Storage condition	-20°C~+85°C, 10%~95%RH,			
Mechanical dimension	93X78X56mm			
Weight	0.27kg			
Safety standard	Meet UL 1012 requirement			
EMC standard	Meet FCC part 15J conduction class B			

Note:

- 1, The testing condition for the parameters is, 230VAC input, rated load, 25°C, 70% RH temperature
- 2, Error includes the setting error, line stability and load stability,
- 3, Wave test: adopting A12 double wire for 20MHz, and 0.1UF&47UF capacitor short-circuit for interrupting,
- 4, Inlet voltage stability test: when is over load, the lowest voltage of inlet is up to the highest voltage,
- 5, Load stability test: the load is from 0-100%