TECHNOPOWER DIN Rail Type Switch Mode Power Supply
(For DR-120 Series)

DR-120 series

High reliability
105℃ 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-120-12**	**DR-120-24**	**DR-120-48**
DC output voltage	12V	24V	48V
Output voltage range	±2%	±1%	±1%
Rated output current	10A	5A	2.5A
Output current range	0-5A	0-3.5A	0-2.8A
Wave and noise	80mVp-p	80mVp-p	100mVp-p
Inlet stability	±0.5%	±0.5%	±0.5%
Load stability	±1%	±1%	±1%
DC output power	120W	120W	120W
Efficiency	80%	84%	85%
Adjustable range for DC voltage	10.8-13.2V	21.6-26.4V	43.2-52.8V
AC input voltage range	86~264VAC 47-63Hz / 120-370VD		
Input current	3.5A/115V, 2A/230V,		
AC inrush current	Cold-start current 15/115V 30A/230V,		
Leakage current	<3.5mA/240VAC,		
Overload protection	105%~150% type: Cut off output Reset: auto recovery		
Over-voltage protection	13.8-16.2V	27.6-32.4V	58-62V
High temperature protection	85℃±5℃(TSW1)	90℃±5℃(TSW1)	90℃±5℃(TSW1)
Temperature coefficient	±0.03%/℃ (0-50℃)		
Setup/rise/hold up time	50ms, 70ms, 80ms/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℃~+60℃ (Refer to output curve), 20%~90%RH,		
Storage condition	-20℃~+85℃, 10%~95%RH,		
Mechanical dimension	65.5X125.2X100mm		
Weight	0.8kg		
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℃, 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%