SDX-350-G24 Series

350W 24VDC Input ATX Power Supply



150 x 140 x 86 mm
5.90 x 5.51 x 3.39 inch

Features:

- ∗ Input and output isolation
- ∗ High efficiency and reliability
- ∗ Soft start function, low inrush current
- ∗ Input reverse polarity protection
- ∗ 3.3V & 5V VRM design
- ∗ -5V output option
- ∗ Over voltage, over load & short circuit protection
- ∗ With power good signal & PS-ON signal output
- ∗ 100% full load burn-in test
- ∗ Meet Intel ATX 2.31
- ∗ UL, cUL, CB, CE standard
- ∗ 3 years warranty

Specification:

INPUT	**Voltage**	19V ~ 36V DC (Typical 24V)						
	Current	<20A @ 24V DC input,						
	Protection	Ceramic Fuse 30A/250V						
OUTPUT	**Voltage**	5V	3.3V	12V1	12V2	-5V	-12V	5Vsb
	Min Load	0A	0A	0.5A	0A	0A	0A	0A
	Max Load	20A	20A	16A	16A	0.5A	1A	2.5A
	Output Tolerance ②	±3%	±5%	±3%	±3%	±5%	±10%	±5%
	Ripple Noise MAX. ③	70mV	70mV	150mV	150mV	100mV	150mV	70mV
	Efficiency (TYP.)	82%						
	Output MAX.	Input Voltage : 19V ~ 23V total output max 280W ; Input Voltage : 23V ~ 36V total output max 350W 3.3V & 5V max 115W, -5V & -12V max 12W						
PROTECTION	**Over Voltage**	5.7V~6.5V	3.7V~4.1V	13.1V~14.5V		----	----	----
		Shutdown, it needs re-power on to recover						
	Over current (MAX)	25A	25A	20A	20A	----	----	----
	Over Load & Short Circuit	When power supply over 105%~ 150% max load or short circuit acted, power supply will be shutdown and latch off, recover after re-start up.						
ELEC. CHAR.	**Rise time**	<20mS						
	Power good signal	Power ON within 100---500ms, high level TTL Signal release.						
ENVIRONMENT	**Temperature** ④	Operating: -20 ~ 70℃ ; De-rating: 50 ~ 70℃: 2.5%/℃ ; Storage: -40~+85℃						
	Humidity	Operating: 20% ~ 90% (non condensing) RH; Storage: 10% ~ 95% RH (non condensing)						
SAFETY	**Withstand voltage**	I/P-O/P:4.0KVDC, I/P-FG:2.5KVDC, 1minute						
	Isolation resistance	I/P-O/P, I/P-FG, ＞100MΩ/500VDC at 25℃/ 70% RH						
EMC	**EMI**	EN 55032 CLASS A、FCC CFR 47 PART 15 CLASS A						
	EMS	EN 55035：EN 61000-4-2,3,4,5,6,8						
OTHERS	**Cooling**	Forced airflow cooling with DC fan						
	M.T.B.F.	215 K hours (min)						
	Dimension	150 x 140 x 86 mm (L*W*H)						
	Packing	N.W.:1.78 Kg / 1pc; 6 pcs/ 2.03 CUFT / 1 CTN						
NOTE	① All measurements which not mentioned are based on 24VDC input, **output Max** at ambient 25℃ / 70%RH. ② Output tolerance included set up voltage, line regulation and load regulation. The regulation is measured between 20%-100% **max load** of each output, Total output t must under **output Max**. ③ Ripple & noise are measured at 10～50℃ condition and 20MHz of bandwidth by using a 10″ ～15″ twisted pair-wire terminated with a 0.1uF & a 10uF parallel capacitor. ④ The operating temperature shall follow the de-rating curve in spec ⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.							

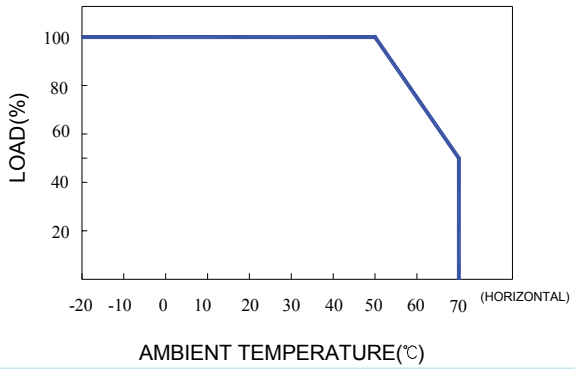
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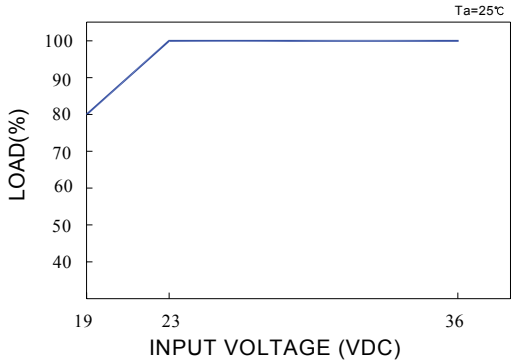
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De-rating Curve :

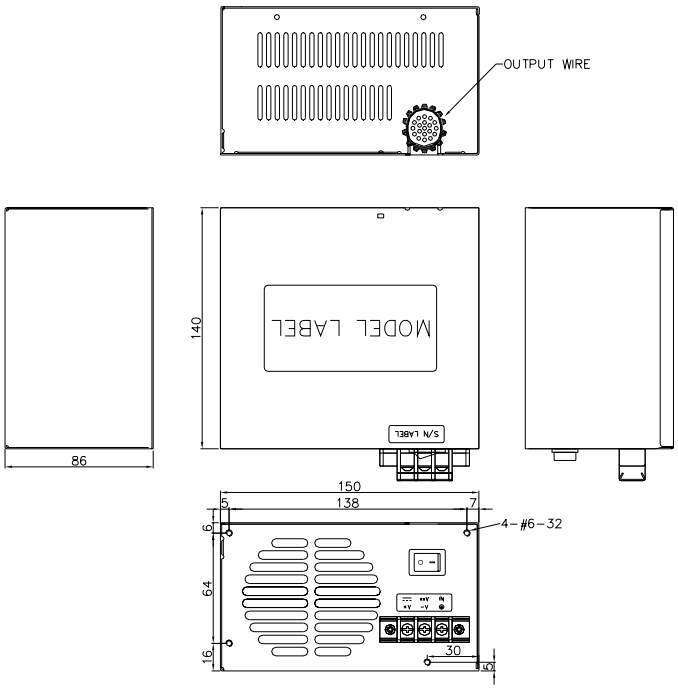


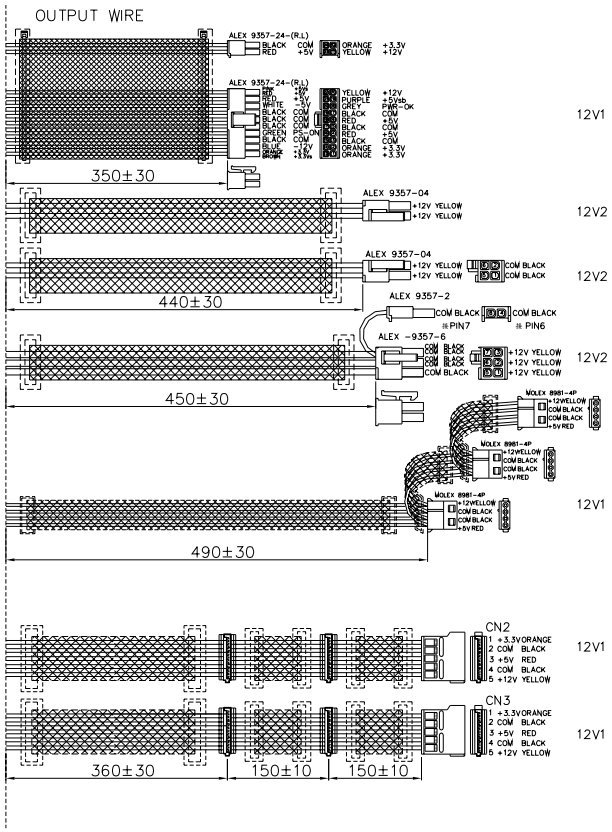
Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)





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