

DATX-5350-96-1U

**DC 96V Input, 350W
For 1U System
DC-DC for ATX12V Power supply**



205 x 100 x 40.5 mm
8.07 x 3.94 x 1.60 inch



Features:

- * Input and output isolation
- * High efficiency and reliability
- * Altitude during operation up to 4000M
- * Soft start function, low inrush current
- * Dual-rail, 12V design, capable of supplying higher power output
- * Input polarity reverse protection
- * Over voltage, over load & short circuit, over temperature protection
- * 3.3V & 5V VRM design
- * With power good signal & PS-ON signal output
- * 100% full load burn-in test
- * Meet Intel ATX 2.01 / ATX2.31 / ATX 12V / EPS
- * UL, cUL, CB, CE approved
- * 2 years warranty

Specification:

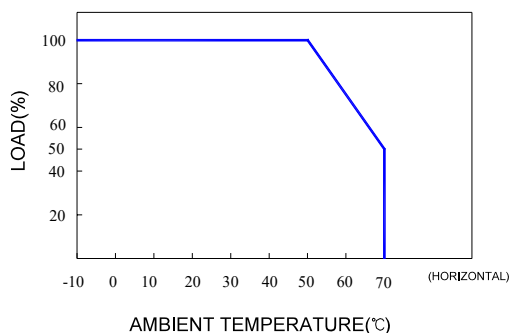
Specification		DATX-5350-96-1U					
INPUT	Model No.						
	Voltage	72V~144V (Typical 96V)					
	Current	<6.7A@72VDC					
	Protection	Ceramic Fuse, 10A / 250V					
OUTPUT	Voltage	5V	3.3V	12V1	12V2	-12V	5Vsb
	Min Load	0.3A	0A	0.2A	0A	0A	0A
	Max Load	25A	20A	16A	16A	1A	2A
	Output Tolerance ②	±3%	±5%	±3%	±3%	±10%	±5%
	Ripple Noise MAX. ③	70mV	70mV	120mV	120mV	120mV	70 mV
	Efficiency (TYP.)	82%					
	Output MAX.	3.3V & 5V max 125W, total output max 350W					
PROTECTION	Over Voltage	5.7V~6.5V	3.7V~4.1V	13.1V~14.5V		----	----
		Shutdown and latch off, recover after re-start up.					
	Over current (MAX)	30A	30A	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.					
	Over Temperature	Over 95℃± 5℃ Shutdown, recovers automatically after fault condition has been removed.					
ELEC. CHAR.	Rise time	<20mS					
	Power Good signal	Power on within 100~500ms, high level TTL signal release.					
	PS-ON signal	P/S ON: PS-ON=Low or <0.8V, P/S OFF: PS-ON=Hi or >2V					
ENVIRONMENT	Temperature ④	Operating: -10~70℃; De-rating: 50~70℃ : 2.5%/℃. ; Storage: -20~+85℃					
	Humidity	Operating: 20% ~ 90% RH (non condensing); Storage: 10% ~ 95% RH (non condensing)					
	Altitude	4000M operating					
SAFETY	Withstand voltage	I/P-O/P:2KVAC, I/P-FG:1.5KVAC, 1minute					
	Isolation resistance	I/P-O/P, I/P-FG,> 100MΩ/500VDC at 25℃/ 70% RH					
	Safety standard	UL 60950-1 2 nd ,CSA C22.2 No. 60950-1- 07 2 nd , IEC 60950-1:2005+A1+A2, approved					
EMC	EMI	EN 55032 CLASS B, FCC CFR 47 PART 15 CLASS B					
	EMS	EN 55035 EN 61000-4-2,3,4,5,6,8					
OTHERS	Cooling	Forced airflow cooling with a DC fan.					
	M.T.B.F.	114 K hours					
	Dimension	205x100x40.5 mm (L*W*H)					
	PACKING	N.W.: 1.25 KG / 1PC; 12 PCS / 2.02 CUFT / 1 CTN					
NOTE	① All measurements which not mentioned are based on 96VDC 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.						
	⑥ Start up steps : Connect AC or DC source, before you turn on the power supply. The unit can't be operated by PS-ON and GND are shorted before power supply turns on. Please contact us for different requirement.						



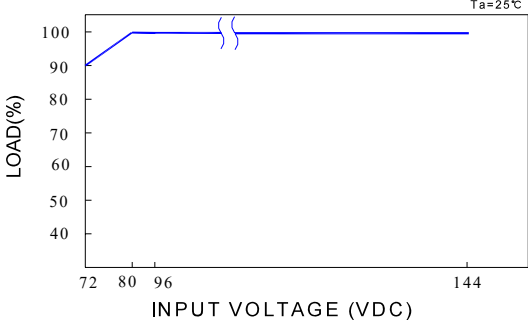
Nippon Beta Power Co., Ltd

DATX-5350-96-1U

De-rating Curve :



Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

