

DATX-6350-96-1U

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:

Model No.		DATX-6350-96-1U						
INPUT	Voltage	72V~144V (Typical 96V)						
	Current	<6.7A@72VDC						
	Protection	Ceramic Fuse, 10A / 250V						
OUTPUT	Voltage	5V	3.3V	12V1	12V2	-12V	-5V	5Vsb
	Min Load	0.3A	0A	0.2A	0A	0A	0A	0A
	Max Load	25A	20A	16A	16A	1A	0.5A	2A
	Output Tolerance ②	±3%	±5%	±3%	±3%	±10%	±5%	±5%
	Ripple Noise MAX. ③	70mV	70mV	120mV	120mV	120mV	100 mV	70 mV
	Efficiency (TYP.)	82%						
PROTECTION	Output MAX.	3.3V & 5V max 125W, -5V & -12V max 12W, total output max 350W						
	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°C ± 5°C 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°C; De-rating: 50~70°C : 2.5%/°C.; Storage: -20~+85°C						
	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°C / 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						

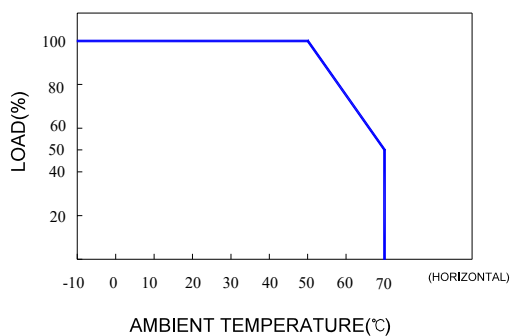
NOTE	①	All measurements which not mentioned are based on 96VDC input, output max at ambient 25°C / 70%RH
	②	Output tolerance included set up voltage, line regulation and load regulation. The regulation is measured between 20%-100% max load of each output, Total output t must under output Max .
	③	Ripple & noise are measured at 10~50°C 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.



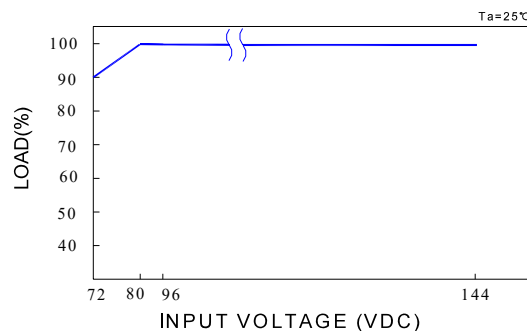
Nippon Beta Power Co., Ltd

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De-rating Curve :



Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

