

Nipron "H series" is just released!! Nonstop Power Supply with High Power!!



*The front panel is scheduled to be a black panel as same as HPCSA-1000P-E2S.

Continuous Max. **822W**
Peak Power **1000W**

Standby Power
at 100 VAC at 230 VAC
0.056W 0.071W

*Standby power is an example of actual measurement

The brand-new product is released as "H series power supply" which complies with 80PLUS and ErP directive for the green environment!! New product for the next will be "Nonstop" power supply, our patented technology reflected to HNSP4-1000P series. This is the first model with backup function equipped type for high power model at 1000W. The dedicated battery package, BS25A-H350/2.5L is also released!!

As its higher performance equipment and device progressed, the power supply is also required to have higher power. We want to save the power loss as much as we can since we use the large amount of power. We want to use the machines safely all the more for a high performance specification. HNSP4-1000P series would be the best solution for the requirements above. You will see the special features of HNSP4-1000P series and BS25A-H350/2.5L herewith.

(Nonstop Power Supply)

(Battery Package)

HNSP4-1000P series + BS25A-H350/2.5L

HNSP4-1000P series

■ Safety standard (scheduled to be approved)

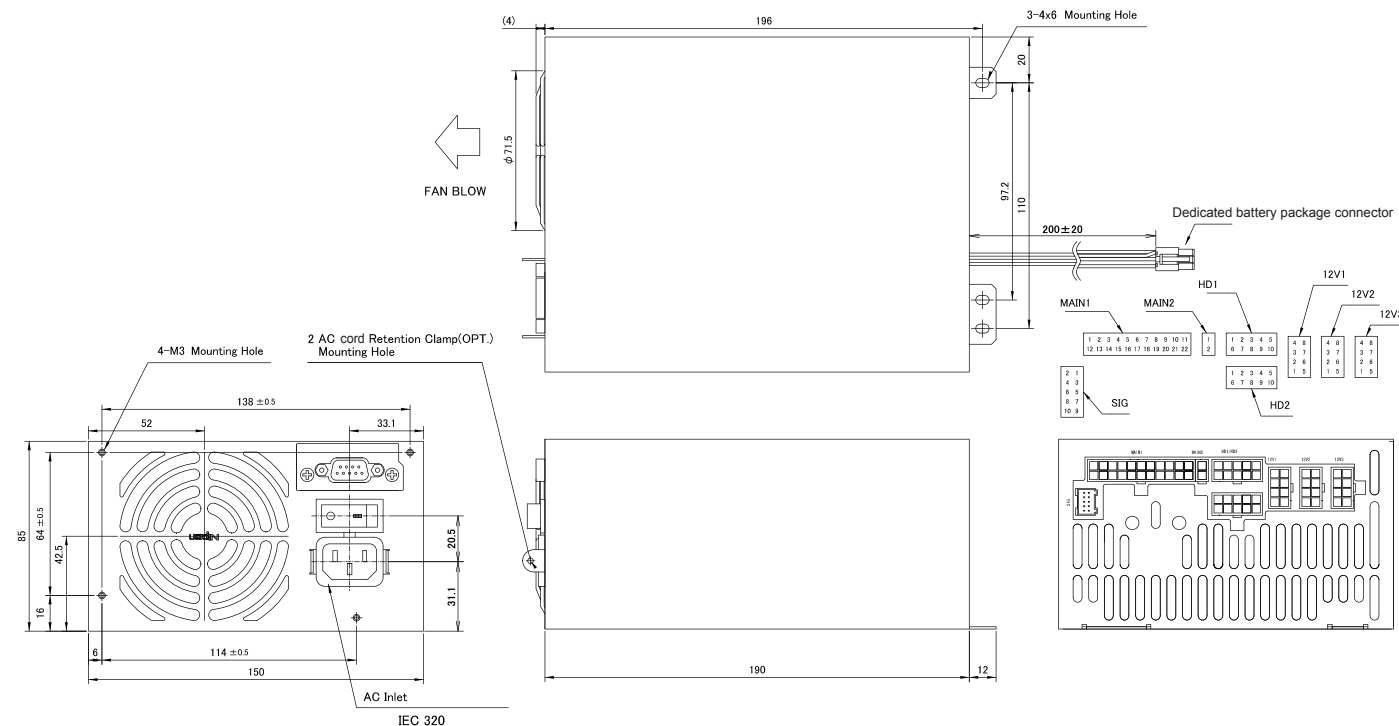
Safety standard (scheduled to be approved)	UL	CSA	CE	CCC
Reliability Grade	HFA	FA	HOA	OA

■ General Specification

Input voltage	85 - 264 VAC (worldwide range, PFC mounted)							
Output voltage	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5VSB
Max. current/ max. power (continuous)	25A	25A	18A	18A	18A	18A	0.4A	3A
	207.5W		792W				4.8W 15W	
	822W							
Peak current/ peak power(5 sec max.)	30A	30A	25A	25A	25A	25A	0.6A	4A
	249W		1000W				7.2W 20W	
	1000W							
Min. current	0A	0A	0A	0A	0A	0A	0A	0A
Dimensions	150(W)×85(H)×190(D)mm							

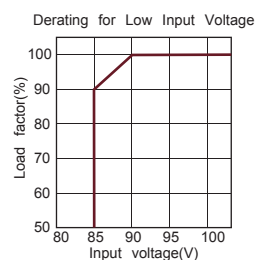
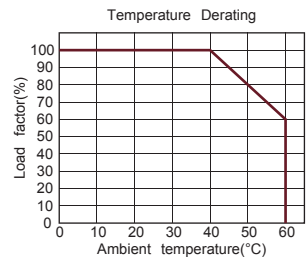
*The specification is provisional and subject to change.

■ Outline Drawing

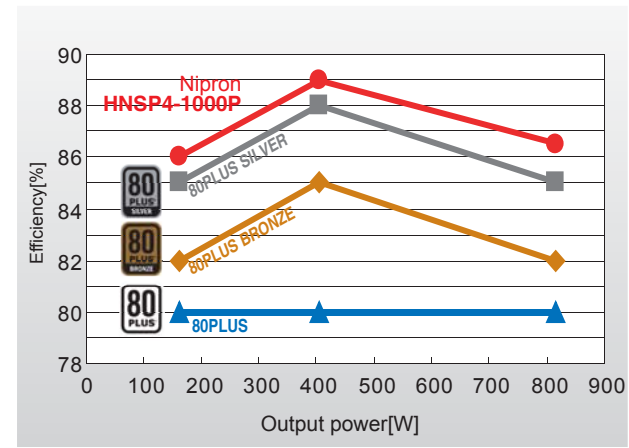


■ Features

- Scheduled to acquire 80PLUS SILVER
- High efficiency with synchronous rectification circuit
- Min. load current is 0A for all outputs.
- By building in the thermal-sensing variable speed fan, noise reduction can be realised.
- Less than 0.5W standby power complying with ErP directive



■ HNSP4-1000P efficiency graph (example of actual data)



■ H series power supply efficiency actual measurement (example of actual data)

Model	at 115 VAC	at 240 VAC
HNSP4-1000P series	88.5%	89.2%
HNSP9-520P-S20-H1V	85.5%	87.2%
HPCSA-1000P-E2S	88.6%	90.1%
HPCSA-570P-X2S	85.7%	87.7%
HPCSF-400P-X2S	87.5%	89.0%
HPC1U-400P-X2S	85.9%	87.6%
Competitor's equivalent (industrial ATX power supply)	71.5%	73.6%

BS25A-H350/2.5L

Battery package
BS25A-H350/2.5L



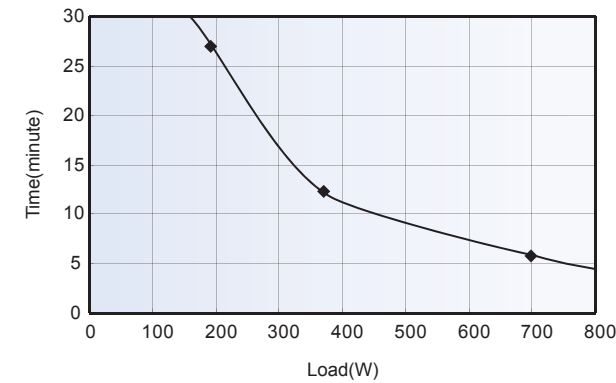
5 inch bay (2 units) mounting size

■ General Specification

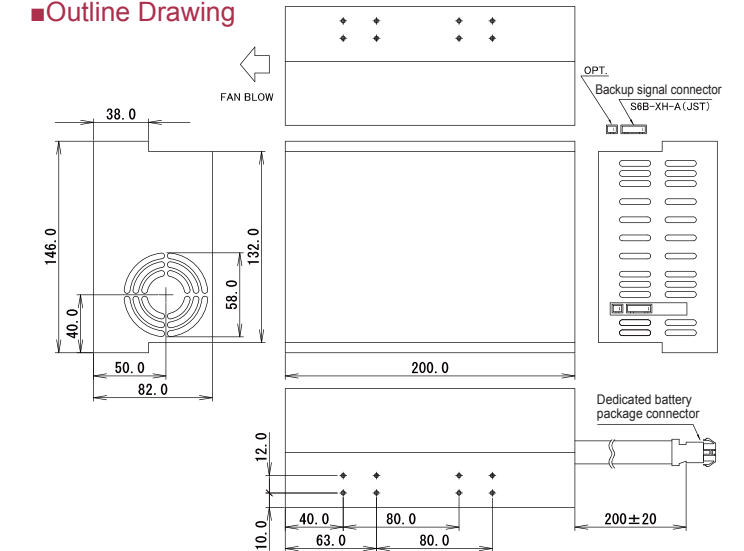
Items	Specification	Measurement condition, etc.
Battery	1.2V 2500mA × 14 connected in series × 3	Sealed Ni-MH battery
Nominal Battery Voltage	16.8 VDC × 3	
Rated Capacity	2500mAh	10 hours ratio
Embedded Fuse Rating	30A 125V	
Operating Temp./Humidity	0 to 60°C / 20 to 90% RH	No condensation
Storage Temp./Humidity	1 year or less: less than -20 to 35°C / 10 to 95% RHa 6 months or less: less than -20 to 45°C / 10 to 95% RHa 1 month or less: less than -20 to 55°C / 10 to 95% RHa 1 week or less: less than -20 to 65°C / 10 to 95% RHa	At lower than 20°C or higher than 40°C, follow the derating curve separately to derate output power.
Weight	4.0 kg typ.	
Warranty	1 year after delivery. If any faults belong to us, the defective unit shall be repaired or replaced at our cost except for malfunction caused by over-discharge.	Except for errors caused by operation not listed

■ Battery backup discharge characteristic (example of actual data)

Be aware that it is a reference value at initial use of the battery package; It is not a guaranteed value.



■ Outline Drawing



Other H series power supplies line-up

HPCSA-1000P-E2S



Continuous Max.: 822W
Peak power: 1000W
150(W)×85(H)×190(D)mm

HPCSA-570P-X2S



Continuous Max.: 400W
Peak power: 570W
150(W)×86(H)×140(D)mm

HNSP9-520P series



Continuous Max.: 400W
Peak power: 520W
150(W)×86(H)×140(D)mm

HPCSF-400P-X2S



Continuous Max.: 310W
Peak power: 400W
125(W)×63.5(H)×125(D)mm

HPC1U-400P-X2S



Continuous Max.: 305W
Peak power: 400W
100(W)×41(H)×190(D)mm