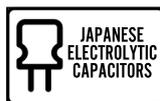# NGDP

PC POWER SUPPLY
750W / 850W / 1000W / 1200W

80 PLUS GOLD
FULL - MODULAR

FEATURES :

- 80 PLUS Gold Certified: High efficiency for lower energy costs
- Embossed Cable: Stylish, durable and flexible
- Fully Modular: Detachable cables for easy management
- 120 mm FDB bearing fan that supports 0 RPM mode
- Japanese Electrolytic Capacitors: Ensures reliability and longevity

JAPANESE ELECTROLYTIC CAPACITORS

ZERO RPM MODE

ATX 3.1 PCIe 5.1 READY

PPLP.INFO PLATINUM 115V

PPLP.INFO GOLD 230V

80 PLUS GOLD

CYBENETICS PLATINUM 230v

CYBENETICS PLATINUM

CYBENETICS GOLD

PC POWER SUPPLY
NGDP
V260114K

SAFETY AND PROTECTION

Your new power supply unit comes equipped with multiple protective features to ensure safe and reliable operation:

Under-Voltage Protection (UVP) shuts the PSU off if the voltage the PSU is providing to the PC drops below accepted values.

Over-Voltage Protection (OVP) Monitors 12V, 5V, and 3.3V outputs. Automatically shuts down the PSU if voltage exceeds safe levels.

Over-Power Protection (OPP) Turns off the PSU if power draw reaches preset percentage of the rated capacity.

Short-Circuit Protection (SCP) Activates when output impedance falls below 0.1 ohms. Protects against shorts between rails or to ground, preventing damage to the PSU and system components.

Over-Current Protection (OCP) Keeps 3.3V, 5V, and 12V rail outputs within safe operating limits.

Over-Temperature Protection (OTP) Shuts down the PSU if internal temperature becomes too high, typically due to overloading or fan failure.

These safety mechanisms work together to protect your computer system and the power supply itself from potential electrical hazards. For optimal performance and longevity, always operate your PSU within its rated specifications.

SPECIFICATIONS HA-750BA4

NGDP GOLD 750W

MODEL	HA-750BA4
POWER OUTPUT	750 W
INPUT VOLTAGE	100 - 240 V~
INPUT CURRENT	10 - 5 A
INPUT FREQUENCY	50 / 60 Hz
EFFICIENCY	91.35% at typical load
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Full-modular
CERTIFICATIONS	80 PLUS Gold, Cybenetics Gold, PPLP Gold
PFC	Active PFC
FAN SIZE	120 mm FDB
PROTECTIONS	UVP, OVP, OPP, SCP, OCP, OTP
REGULATORY	CE / FCC / C-Tik / RoHS / CCC / cTUVus / IEC / EAC
MTBF	100,000 hours
CIRCUIT STRUCTURE	LLC + DC - DC
WARRANTY	10 years

DC OUTPUT (V)	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20A	120W
+5V	20A	
+12V	62.5A	750W
+5VSb	3A	15W
-12V	0.3A	3.6W

SPECIFICATIONS HA-850BA4

NGDP GOLD 850W

MODEL	HA-850BA4
POWER OUTPUT	850 W
INPUT VOLTAGE	100 - 240 V~
INPUT CURRENT	10 - 5 A
INPUT FREQUENCY	50 / 60 Hz
EFFICIENCY	91.26% at typical load
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Full-modular
CERTIFICATIONS	80 PLUS Gold, Cybenetics Platinum, PPLP Gold
PFC	Active PFC
FAN SIZE	120 mm FDB
PROTECTIONS	UVP, OVP, OPP, SCP, OCP, OTP
REGULATORY	CE / FCC / C-Tik / RoHS / CCC / cTUVus / IEC / EAC
MTBF	100,000 hours
CIRCUIT STRUCTURE	LLC + DC - DC
WARRANTY	10 years

DC OUTPUT (V)	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20A	120W
+5V	20A	
+12V	70.8A	849.6W
+5VSb	3A	15W
-12V	0.3A	3.6W

SPECIFICATIONS HA-1000BA4

NGDP GOLD 1000W

MODEL	HA-1000BA4
POWER OUTPUT	1000 W
INPUT VOLTAGE	100 - 240 V~
INPUT CURRENT	12 - 6 A
INPUT FREQUENCY	50 / 60 Hz
EFFICIENCY	91.14% at typical load
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Full-modular
CERTIFICATIONS	80 PLUS Gold, PPLP Platinum
PFC	Active PFC
FAN SIZE	120 mm FDB
PROTECTIONS	UVP, OVP, OPP, SCP, OCP, OTP
REGULATORY	CE / FCC / C-Tik / RoHS / CCC / cTUVus / IEC / EAC
MTBF	100,000 hours
CIRCUIT STRUCTURE	LLC + DC - DC
WARRANTY	10 years

DC OUTPUT (V)	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20A	120W
+5V	20A	
+12V	83A	996W
+5VSb	3A	15W
-12V	0.3A	3.6W

SPECIFICATIONS HA-1200BA4

NGDP GOLD 1200W

MODEL	HA-1200BA4
POWER OUTPUT	1200 W
INPUT VOLTAGE	100 - 240 V~
INPUT CURRENT	15 - 7.5 A
INPUT FREQUENCY	50 / 60 Hz
EFFICIENCY	91.88% at typical load
DIMENSIONS (L x W x H)	140 x 150 x 86 mm
MODULAR	Full-modular
CERTIFICATIONS	80 PLUS Gold PPLP Platinum 115 V PPLP Gold 230 V Cybenetics Platinum
PFC	Active PFC
FAN SIZE	120 mm FDB
PROTECTIONS	UVP, OVP, OPP, SCP, OCP, OTP
REGULATORY	CE / FCC / C-Tik / RoHS / CCC / cTUVus / IEC / EAC
MTBF	100,000 hours
CIRCUIT STRUCTURE	LLC + DC - DC
WARRANTY	10 years

DC OUTPUT (V)	MAX LOAD (A)	MAX OUTPUT (W)
+3.3V	20A	120W
+5V	20A	
+12V	100A	1200W
+5VSb	3A	15W
-12V	0.3A	3.6W

CABLE INFORMATION

CONNECTORS	TOTAL LENGTH	750W	850W 1000W	1200W
ATX Cable 24-pin (MB)	610 mm	1	1	1
ATX12V Cable 8-pin (CPU 4+4)	650 mm	2	2	2
PCI-E Cable 12V-2x6 (GPU 12+4)	720 mm	1	1	1
PCI-E Cable 8-pin (GPU 6+2)	600 mm	2	3	4
SATA Cable (SSD/HDD)	465 mm	2	2	2
MOLEX Cable (4 PATA)	465 mm	1	1	1

PICTURES

PICTURES

REVISION HISTORY

Version Number	Modification Description	Modified By
V250416BN	Updated Cable Information, Pictures	Ben
V250619BN	Updated 750W cable info	Shu
V250821SHU	Added 1200W model	Shu
V251107K	Added PPLP certified info for 1200W	Kane
V260114K	Added Cybenetics Platinum efficiency certification for 1200W model	Kane