



MODEL SELECTION

Part No.	PFC	Input Voltage
HB1003	Non PFC	110~115, 220~230Vac
HB1004	230V Passive PFC	220~230Vac

GENERAL SPEC.

Hold-up Time	16ms@max. load 115Vac/60Hz or 230Vac/50Hz
Dimensions	150 x 140 x 86 (mm)
MTBF	100KHrs
Output Rise Time	<10ms
PG Signal Rise Time	10ms max.

ENVIRONMENTAL SPEC.

Operating Temperature	10 ~ 45°C
Storage Temperature	-40 ~ 70°C

OUTPUT CURRENT CAPACITY

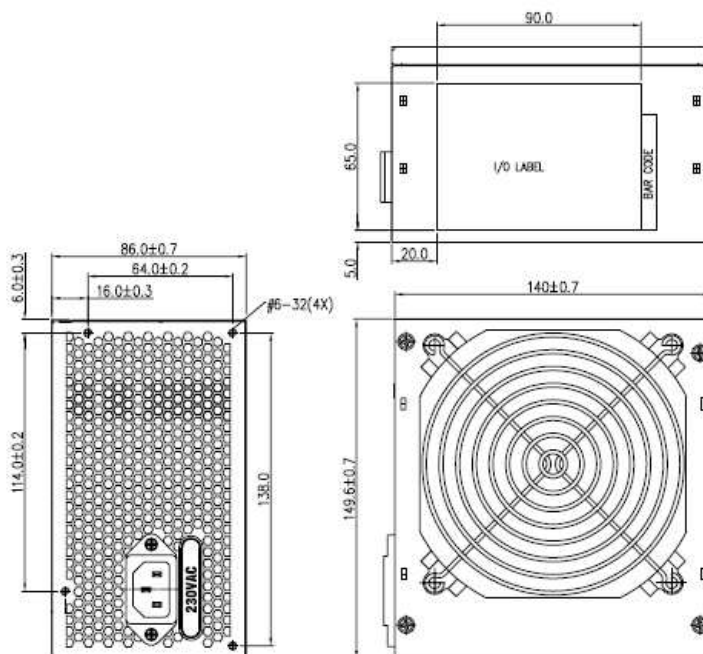
Voltage	Min. Load	Max. Load	Combined	Output
+5V	0.2A	19A	130W	485.7W
+3.3V	0.1A	16A		
+12V1	0.1A	25A	420W	
+12V2	0.5A	22A		
-12V	0A	0.15A	1.8W	14.3W
+5Vsb	0A	2.5A	12.5W	

SAFETY

HB1003: UL, TUV, CB

HB1004: UL, TUV, CE, CCC, C-Tick, CB

OUTLINE DRAWING



Cabling:

- 24pin for M/B x 1
- 4+4pin for CPU x 1
- SATA x 6
- 6+2pin PCI-E x 4
- Peripheral 4pin x 2

FEATURES

- Support Intel Core i5 & i7 and AMD Phenom & Athlon CPUs
- Support nVIDIA & ATI graphic cards
- +12V1, +12V2 dual channel output
- Auto-thermal fan control technology maximizes acoustic & heat performance
- Protection of over voltage, over power & short circuit
- 4+4pin detachable header for CPU connection

INPUT SPEC.

Input Voltage	110~115, 220~230Vac (HB1003) 220~230Vac (HB1004)
Input Frequency	50/60Hz(HB1003); 50Hz(HB1004)
Leakage Current	3.5mA@230V/50Hz
AC Input Current	12A@115V; 8A@230V(HB1003) 8A@230V(HB1004)
PFC (Harmonic)	Meet IEC61000-3-2 (HB1004)
EMI/RFI	CISPR 22 at 230Vac/50Hz

OUTPUT SPEC.

Rated Power	500W
Max. Power	550W
Efficiency	75% above@230Vac
OVP	+3.3V: 4.5V, +5V: 7V, +12V1: 16V, +12V2: 16V
OCV	+12V1:29A, +12V2:29A
SCP	Latch off all main outputs reset by cycling on/off control or AC power
OPP	600W~700W (120%~140%)