# HELA 850R Platinum

Cybenetics Platinum 850W PCIe 5.0 fully modular ATX PSU

- 100% modular cables
- Super flexible black flat cables
- All Japanese electrolytic capacitors
- Supports 12VHPWR PCIe connector with ATX 3.0 and PCIe Gen 5 standard
- 24/7 continuous power output with 50℃ operating temperature
- 180° angled SATA connectors designed for stack mounted hard drives
- Ultra silent 135mm FDB fan with semi-fanless and delayed shut-off function
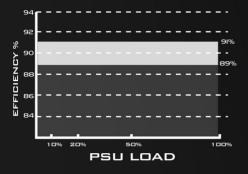
## Product Specifications

**Product No.**
SST-HA850R-PM

**Model (safety certification)**
SST-AX0850MCPT-A

**Color**
Black (lead-free paint)

**Max. DC Output**
850W

**Power density**
439W per liter

**Load Range**

| Output | +3.3V | +5V | +12V | +5VSB | -12V |
|---|---|---|---|---|---|
| Max.(Amps) | 22A | 22A | 70.8A | 3.0A | 0.3A |
| Min.(Amps) | 0A | 0A | 0A | 0A | 0A |
| Range (%) | ±5% | ±5% | +5/-7% | ±10% | ±5% |
| Line Reg.(%) | ±1% | ±1% | ±1% | ±1% | ±1% |
| Ripple(mVp-p) | 40mV | 40mV | 80mV | 40mV | 80mV |

**Combined +3.3V & +5V**
120W

**Combined +12V**
849.6W

**Input Voltage**
90 ~ 264 Vrms

**Input Frequency Range**
47Hz ~ 63Hz

**PFC**
Active PFC (PF>0.9 at full load)

**Efficiency**
≥89% & <91% overall efficiency

**MTBF**
100,000 hrs

**Operating temperature**
0°C ~ 50°C

**Protection**
Over Current Protection
Over Power Protection
Over Voltage Protection
Over Temperature Protection
Short Circuit Protection
Under Voltage Protection

**Connectors**
1 x 24 / 20-Pin motherboard connector
2 x 8 / 4-Pin EPS / ATX 12V connectors
1 x 12+4-Pin 12VHPWR connector
5 x 8 / 6-Pin PCIe connectors
8 x SATA connectors
6 x 4-Pin Peripheral connectors
2 x 4-Pin Floppy connectors

**Cooling System**
Silent 135mm FDB fan

**Noise Level**
0 dBA minimum

**Certification**
Cybenetics Platinum

**Form factor**
ATX (PS2)

**Dimension**
150 mm (W) x 86 mm (H) x 150 mm (D)
5.91" (W) x 3.39" (H) x 5.91" (D)

**Weight**
2.56 kg

## 12VHPWR PCIe connector supports ATX 3.0 and PCIe Gen5 standards

The 16 pin (12VHPWR) design is capable of withstanding power failure caused by a running graphics card's instantaneous peak power consumption, whilst providing higher stability and efficiency power output for high-end systems.

## Cybenetics Platinum Certified

Designed for Cybenetics Platinum level of efficiency to reduce wasted heat and save on electricity

## Fully modular design with universal EPS / PCIe connector interface

Flat cables have much greater flexibility to allow for tighter folding and management of cable