Extreme 850R Platinum

Cybenetics Platinum 850W PCIe 5.0 Fully Modular Power Supply
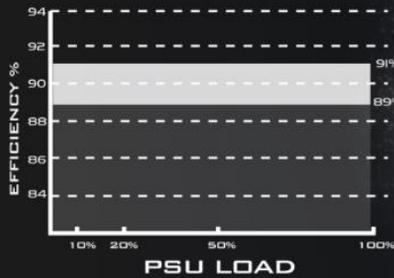
- Equipped with Gen5 12VHPWR PCIe connector, meeting Intel SFX 12V V4.0 specification standard
- Cybenetics Platinum efficiency certification
- 24/7 continuous power output with 50℃ operating temperature
- Ultra-silent 92mm FDB fan with fan intelligent deactivates and delayed shut off function
- Flexible flat cables have much greater flexibility to allow for tighter folding
- Fully Modular design
- All Japanese electrolytic capacitors

Product Specifications

Product No.
SST-EX850R-PM

Model (safety certification)
SST-SX0850MCPT-A

Color
Black (lead-free paint)

Max. DC Output
850W

Power density
1070W per liter

Load Range

Output	+3.3V	+5V	+12V	+5VSB	-12V
Max.(Amps)	20A	20A	70.8A	3.0A	0.3A
Min.(Amps)	0A	0A	0A	0A	0A
Range (%)	±5%	±5%	+5/-7%	±5%	±10%
Line Reg.(%)	±1%	±1%	±1%	±1%	±1%
Ripple(mVp-p)	40mV	40mV	80mV	40mV	80mV

Combined +3.3V & +5V
100W

Combined +12V
850W

Input Voltage
180 ~ 264 Vrms

Input Frequency Range
47Hz ~ 63Hz

PFC
Active PFC. (PF>0.9 at Full Load)

Efficiency
≥89% & <91% overall efficiency

MTBF
100,000 hours

Operating temperature
0℃ ~ 50℃

Protection
Over Current Protection
Over Power Protection
Over Voltage Protection
Short Circuit Protection
Over Temperature Protection
Under Voltage Protection
No load operation

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

Cooling System
Silent 92mm FDB fan

Noise Level
0 dBA minimum

Certification
Cybenetics Platinum

Form factor
SFX

Dimension
125 mm (W) × 63.5 mm (H) × 100 mm (D)

Weight
1.6kg

Equipped with Gen5 12VHPWR PCIe connector, meeting Intel SFX 12V V4.0 specification standard

12VHPWR CONNECTOR

SFX 12V V4.0 Intel SFX12V 4.0 support

PCIe Gen5 standards

Cybenetics Platinum efficiency certification

CYBENETICS PLATINUM

EFFICIENCY %

PSU LOAD

94
92
90
88
86
84

91%
89%

10% 20% 50% 100%

Powerful single +12V rail design, ideal for future high-end component upgrades and overclocking

Powerful single +12V