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SuperBlade®

SuperBlade® Power Supply & Cooling

One of the biggest benefits of moving to a blade environment is the relocation of power supplies and fans into a single chassis versus an individual set in each server. This greatly helps reduce the power requirements on a per server basis.

Underlining Supermicro's high-efficiency power philosophy into the SuperBlade® server technology, Supermicro engineers have mastered the power supply design challenge to produce high-quality, high-performance solutions with peak efficiency ratings of 94%. Supermicro solutions continue to outperform and outlast the competition and providing the best technology investment available to customers.

Key Advantages of Supermicro High-efficiency Blade Power Supply

- Availability - Non-stop power with 3+1 redundant power supply modules
- Cost Saving - At 94% peak efficiency, power consumption is significantly reduced, providing a planet-friendly, real-world advantage for our environment.
- Investment Protection - Power capacity headroom for future generation processors
- Easy Installation - Snap-in installation from the back of the chassis; hot-swappable in operation
- Intelligent Power Infrastructure - Each power enclosure includes a power management module that monitors the power supplies and the power enclosure that connects to the blade management.



CLICK HERE FOR POWER CORD INFORMATION

PWS-3K01-BR Power Supply	
Output	3000W
Type	Redundant Module (3+1)
+12V	250A
5VSB	16A
PFC	Yes
Peak Efficiency	94%
Input AC Range	200~240VAC
Operating Conditions	Temp: -5 to 50°C Humidity: 5 to 95% RH
Fan Type	4x 90mm fans PFC0912DE-9E69 (8000 RPM with PWM) QFR0912UHE-9E70 (8800 RPM with PWM)

PWS-2K53-BR Power Supply	
Output	2500W
Type	Redundant Module (3+1)
+12V	208A
5VSB	16A
PFC	Yes
Peak Efficiency	94%
Input AC Range	200~240VAC
Operating Conditions	Temp: -5 to 50°C Humidity: 5 to 95% RH
Fan Type	4x 90mm fans PFC0912DE-9E69 (8000 RPM with PWM) QFR0912UHE-9E70 (8800 RPM with PWM)
Certification	80 PLUS PLATINUM 94% 80 PLUS Platinum Certified

PWS-2K01-BR Power Supply ** EOL	
Output	2000W
Type	Redundant Module (3+1)
+12V	167A
5VSB	16A
PFC	Yes
Peak Efficiency	90%
Input AC Range	200~240VAC
Operating Conditions	Temp: -5 to 50°C Humidity: 5 to 95% RH
Fan Type	4x 90mm fans PFB0912DHE-6X39 (8000 RPM with PWM) QFR0912UHE-6F78 (8300 RPM with PWM)

** = End-of-Life

PWS-1K62-BR Power Supply	
Output	1620W / 1200W *
Type	Redundant Module (3+1)
+12V	132A (200~240VAC input) 100A (100~140VAC input)
5VSB	16A
PFC	Yes
Peak Efficiency	93%
Input AC Range	100~240VAC
Operating Conditions	Temp: -5 to 50°C Humidity: 5 to 95% RH
Fan Type	2x 90mm fans PFC0912DE-6L38 (8000 RPM with PWM)

* 1620W (200~240VAC input) , 1200W (100~140VAC input)

PWS-1K41-BR Power Supply ** EOL	
Output	1400W / 1200W *
Type	Redundant Module (3+1)
+12V	116A (200~240VAC input) 100A (100~140VAC input)
5VSB	16A
PFC	Yes
Peak Efficiency	93%
Input AC Range	100~240VAC
Operating Conditions	Temp: -5 to 50°C Humidity: 5 to 95% RH
Fan Type	2x 90mm fans PFC0912DE-6L38 (8000 RPM with PWM)

* 1400W (200~240VAC input) , 1200W (100~140VAC input)

** = End-of-Life