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Power Supplies

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Supermicro's wide range of high efficiency power supplies offer many important features including Titanium Level efficiency, digital switching control, super quiet operation, redundancy, DC inputs, FCC Class B certification, remote monitoring with PMBus, support for GPUs/graphics cards, Supermicro's signature server level quality and reliability; in a variety of form factors and capacities. The latest Titanium Level (96%+) power supplies provide the greatest power efficiencies for highest electric power savings that is so significant that it can virtually pay for the power supply itself.

Supermicro's power supplies are designed for enterprise level applications where high quality and reliability are critical, and where the highest power efficiencies are required to reduce TCO (Total Cost of Ownership). With strong experience in the server systems market, Supermicro is experienced in testing and validating these power supplies in all relevant enterprise environments under all necessary operating conditions, compiling long operating records for multiple applications.

Power Supply Types:

[Titanium](#) | [Ultra](#) | [Powerstick](#) | [1U 50/54MM Width](#) | [-48Vdc](#) | [AC/DC240V](#) | [BBP®](#) |

1U 50/54mm Width Power Supplies



PWS-407P-1R

AC/DC240V Input Redundant Power Supplies

400W 1U Redundant Power Supplies with PMbus

Total Output Power	■ 400W
Dimension (W x H x L)	■ 54.5 x 40 x 220 mm
Input	■ 100 - 240Vac / 6.0 - 3.0A / 50-60Hz ■ 200 - 240Vdc / 3.4 - 3.2A (CCC Only)
+12V	■ Max: 33A / Min: 0.5A
+5V sb	■ Max: 3A / Min: 0A
Output Type	■ Gold Finger Connector Mating with Molex 45984-4343

Certification **Platinum Level Certified**
[[Test Report](#)]



PWS-606P-1R

Power Supply with Power Distributor

600W Redundant High-Efficiency Power Supplies w/Power Distributor, PMBus 1.2, I²C, and PFC

AC Input	■ 100-240V, 50-60Hz, 7.5-3.0A
DC Output	■ +5V standby: 3A ■ +12V: 50A

Certification **Platinum Certified**
[[Test Report](#)]



PWS-706P-1R

AC/DC240V Input Redundant Power Supply

700W/750W Redundant Power Supplies with PMBus

Total Output Power	■ 700W/750W
Dimension (W x H x L)	■ 54.5 x 40 x 320 mm
Input	■ 100 - 140Vac / 8 - 6A / 50-60Hz ■ 200 - 240Vac / 4.5 - 3.8A / 50-60Hz ■ 200 - 240Vdc / 4.5 - 3.8A (CCC Only)
+12V	■ Max: 58A / Min: 0.5A (100 - 140Vac) ■ Max: 62A / Min: 0.5A (200 - 240Vac) ■ Max: 62A / Min: 0.5A (200 - 240Vdc)

Titanium Level PWS



PWS-2K05A-1R (2000W)
[[Test Report](#)]

PWS-2K04A-1R (2000W)
[[Test Report](#)]

PWS-1K68A-1R (1680W)
[[Test Report](#)]

PWS-1K62A-1R (1600W)
[[Test Report](#)]

PWS-1K23A-1R (1200W)
[[Test Report](#)]

PWS-1K22A-1R (1200W)
[[Test Report](#)]

PWS-1K03A-1R (1000W)
[[Test Report](#)]

PWS-1K02A-1R (1000W)
[[Test Report](#)]

[Full list of Certified Power Supplies by 80Plus](#)

Buy from [eStore](#)



[Titanium Power Supply White Paper](#)



[BBP Server Solutions Flyer](#)




[View Video: BBP](#)

	(CB/CCC Only)
+5V sb	■ Max: 3A / Min: 0A
Output Type	■ Gold Finger Connector Mating with Molex 45984-4343
Certification	 Platinum Certified [Test Report]





PWS-707P-1R

AC/DC240V Input Redundant Power Supplies	
700W/750W 1U Redundant Power Supplies with PMbus	
Total Output Power	■ 700W/750W
Dimension (W x H x L)	■ 50 x 40 x 320 mm
Input	■ 100 - 140Vac / 8 - 6A / 50-60Hz ■ 200 - 240Vac / 4.5 - 3.8A / 50-60Hz ■ 200 - 240Vdc / 4.5 - 3.8A (CCC Only)
+12V	■ Max: 58A / Min: 0.5A (100 - 140Vac) ■ Max: 62A / Min: 0.5A (200 - 240Vac) ■ Max: 62A / Min: 0.5A (200 - 240Vdc) (CB/CCC Only)
+5V sb	■ Max: 3A / Min: 0A
Output Type	■ Gold Finger Connector Mating with Molex 45984-4343
Certification	 Platinum Level





PWS-504P-1R

Power Supply	
500W Redundant High-Efficiency Power Supplies w/ Power Distributor, PMBus 1.2, i ² C, and PFC	
AC Input	■ 100-240V, 50-60Hz, 6.1-2.6A
DC Output	■ +5V standby: 3A ■ +12V: 42A
With Power Distributor	■ +5V: 25A ■ +3.3V: 12A ■ -12V: 0.6A
Certification	  Platinum Certified [Test Report]



PWS-503P-1R

1U Redundant Power Supply	
500W 1U Redundant Power Supply with PMbus	
Total Output Power	■ 500W
Dimension (W x H x L)	■ 50 x 40 x 320 mm
Input	■ 100-240Vac / 6.1-2.6A / 50-60Hz
+12V	■ Max: 42A / Min: 0.5A
+5V sb	■ Max: 4A / Min: 0A
Output Type	■ Gold Finger Connector Mating with Molex 45984-4343
Certification	  Platinum Certified



PWS-601D-1R

-48Vdc Input Redundant Power Supplies	
600W Redundant Power Supplies with PMBus	
Total Output Power	■ 660W
Dimension (W x H x L)	■ 54.5 x 40 x 220 mm
DC Input	■ -44Vdc to -65Vdc / 18 - 10A
+12V	■ Max: 50A / Min: 0A
+5V sb	■ Max: 3A / Min: 0A
Output Type	■ Gold Finger Connector Mating with Molex 45984-4343
Certification	■ UL/cUL/CB/CE