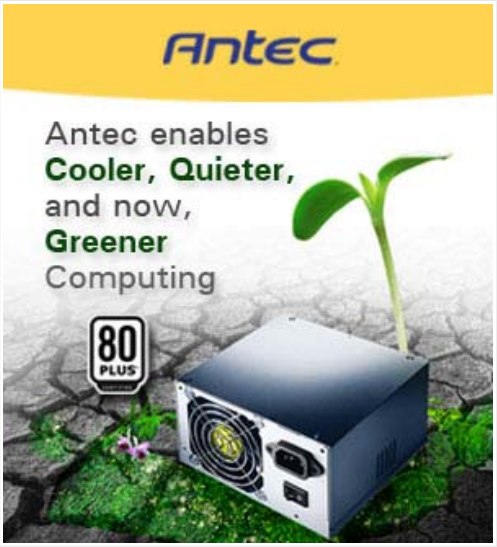
Antec Power Supply Calculator



The total PSU Wattage this tool recommends will give a general idea of the range of continuously available power (*not* peak power) at which you should be looking. But if you are planning to build a high end gaming system, total Amperage available on the +12V rails—and how that capacity is distributed—could be as or more important than total Watts of power.

So once you have established the likely power needs of your system, please make sure that any PSU you buy will provide sufficient Amps of current on the various rails for all of your devices, and that it will have the proven reliability, service and support you deserve.

Recommended PSU Wattage: * **275 W**

Calculate | Reset | Print

System Type: [1]
Single Socket

Attention: Dual or Quad Sockets means you have more than one physical CPU (AMD 4x4 for example, or server board with 2 or more processors).

Motherboard:
Regular – Desktop

In case of No ATX +12V board +5V rail will be used to generate CPU voltage (Socket A and Socket 423).

CPU:
Intel Pentium Dual-Core E5200 2500 MHz Wolfdale-2M

CPU Utilization (TDP [2]):
85% TDP (recommended)

Overclock my CPU! ☑

Stock CPU speed (MHz)	2500
Stock Vcore (V)	1.2
Overclocked CPU speed (MHz)	3000
Overclocked Vcore (V)	1.2

Overclock **Overclocked CPU Wattage:** 78

Please use Overclock button to generate OC Wattage

RAM:
4 Sticks DDR2 SDRAM ☐ FB DIMMs ?

Video Card:
32MB or Less AGP/PCI Basic Video

Video Type:
Single Card

Hard Drives:

IDE 5400 rpm:	IDE 7200 rpm:	SCSI 7200 rpm:
– Select	3 HDDs	– Select

PCI Cards:

- ☐ 56K PCI Modem
- ☐ Sound Blaster - All Models
- ☐ Sound Blaster w/ Front Bay
- ☐ TV Tuner - Satellite
- ☐ TV Tuner - Cable
- ☐ TV Tuner - Antenna
- ☐ PCI NIC
- ☐ PCI IDE Card
- ☐ PCI IDE RAID Card
- ☐ PCI SCSI Card
- ☐ PCI SCSI RAID Card
- ☐ PCI SATA RAID Card

Additional PCI Card (avg):
– Select

Additional PCI Express Cards:
Exclude Video Card(s) from this list.

PCI-e x1	PCI-e x4	PCI-e x8	PCI-e x16
– Select	– Select	– Select	– Select

External Devices:
(Only check if device draws power from the system)

USB:	FireWire:
2 Devices	1 Device

Other Devices:

- ☐ Fan Controller
- ☐ Front Bay Card Reader
- ☐ Front Bay LCD Display

Cold Cathodes:
– Select

Fans	Regular	LED	High Perf.
80mm	1 Fan	– Select	– Select
92mm	1 Fan	– Select	– Select
120mm	– Select	– Select	– Select
140mm	– Select	– Select	– Select
250mm	– Select	– Select	

TEC Coolers:
(Including liquid cooling kits with TEC)
– Select

SCSI 10,000 rpm: – Select

SCSI 15,000 rpm: – Select

SATA: – Select

SSD Drives (Solid State Disk):

DRAM SSD – Select

Flash SSD – Select

Drives:

CD-ROM Drive – Select

DVD-RW/DVD+RW Drive 1 Drive

DVD-ROM Drive – Select

Tape Drive – Select

CD-RW Drive – Select

Zip Drive – Select

DVD/CDRW Combo Drive – Select

Floppy Drive – Select

Blu-Ray Internal Drive – Select

Water Cooling:
(Only devices that draw power from the system)

Water Pumps

– Select 1st Pump

– Select 2nd Pump

Water Cooling Kit: – Select

Pump Relay: – Select

Power Supply Adjustments

System Load: [3] 90% (recommended)

100% peak load - ALL components are at 100% load.

Capacitor Aging: [4] 20%

Other Hardware: Keyboard & Mouse (included)

Recommended PSU Wattage: * 275 w

Calculate Reset Print

1 System Type: Based on physical processor(s). Multicore CPU counts as a single processor.
2 TDP - Thermal Design Power.
3 System Load: 100% (peak load) - all components are at 100% load, including start up surge current compensation.
4 Electrolytic capacitor aging. When used heavily or over an extended period of time (1+ years) a PSU will slowly lose some of its initial wattage capacity. We recommend you add 20% if you plan to keep your PSU for more than 1 year, or 25-30% for 24/7 usage and 1+ years.
* See our Terms of Service for details.