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**V1200** (RSC00-AFBAG1-US)

Cooler Master's flagship V1200 is a Fully Modular, 1200W power supply with 80 PLUS Platinum certification that exhibits up to 93% efficiency at 50% load. Featuring 100% Japanese Capacitors, the V1200 ensures reliable performance and longevity. It comes equipped with a 135mm FDB fan with a Hybrid Fan Controller that allows you to quickly toggle between an always-on fan mode and zero dBA fanless operation (when under 30% load). A single, powerful +12V rail can deliver up to 100A to power the latest and greatest graphics cards, whether alone or coupled with others in SLI or CrossFire modes. V1200 outperforms the competition with excellent voltage stability, ensuring total voltage regulation under 1%, outperforming even digital PSUs.



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## Cooler Master V1200 1200W 80 PLUS Platinum Power Supply

Cooler Master developed the V Series to re-asertain its position as the world's top power supply brand. Featuring highest grade components, (Custom DC-DC Module, 100% Japanese Capacitors) the V1200 boasts outstanding efficiency, excellent hold-up times, voltage stability, and ripple suppression.

Thanks to a high quality FDB fan, V1200 remains extremely cool and quiet during operation. The V Series uses a fully modular cable system with beautiful all black, extra slim flat-ribbon cables. This makes cable management a breeze and results in elegant, clean looking builds with the best possible airflow.



### Fully Modular Cable System

Use only the cables that your system needs with no unnecessary cables lying around. Building a clean and tidy system with excellent airflow has never been this easy and convenient.

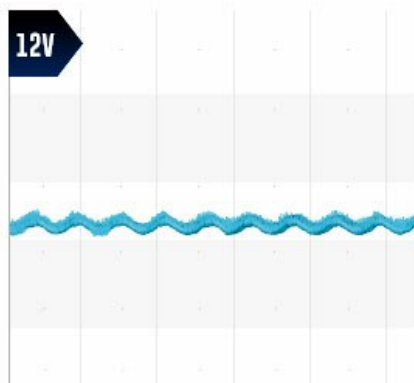


### Hybrid Fan Controller

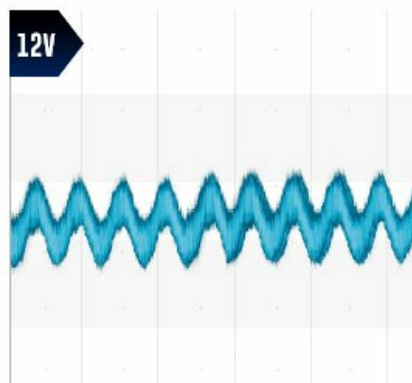
Quickly toggle between an always-on fan mode or zero dBA fanless operation under 30% load.



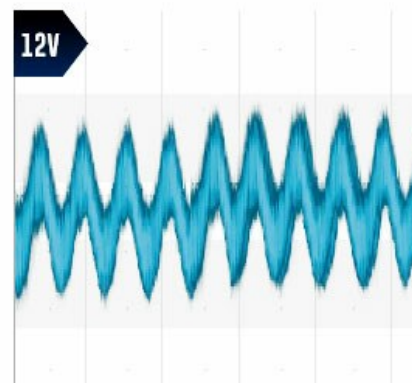
### TIGHT VOLTAGE REGULATION



V1200 PLATINUM  $\pm 1\%$



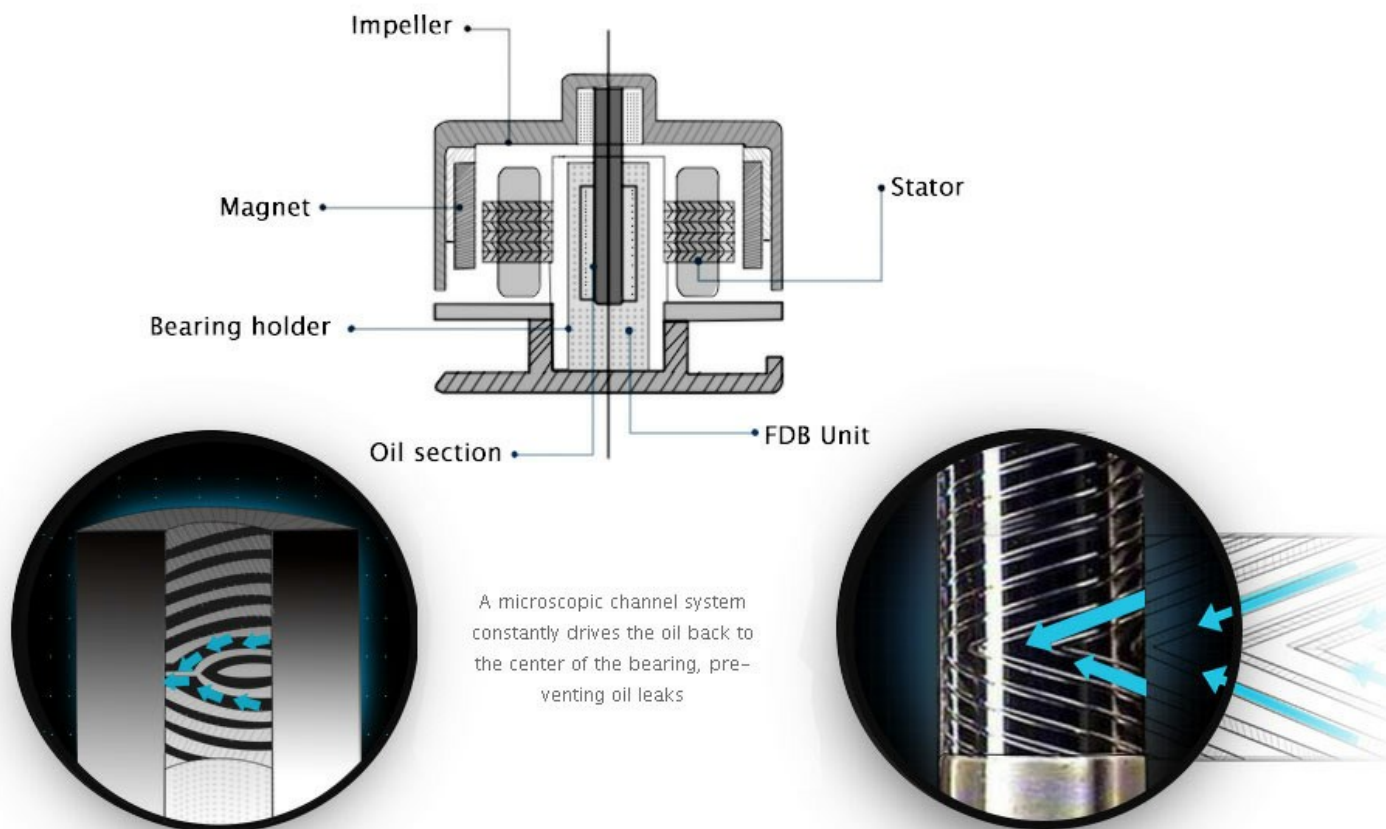
DIGITAL PSU  $\pm 3\%$



STANDARD PSU  $\pm 5\%$

### V1200 manages to keep the +12V rail within $\pm 1\%$ at all times, outperforming even Digital PSUs

The +12V rail is the most important part of a modern power supply. Both CPUs and graphics cards, the two most important and power hungry components in any computer, are powered by the 12V line. Voltage fluctuations can cause anything from high pitch noises, lowered CPU and VGA overclock capabilities, system instability, or even damaged components.

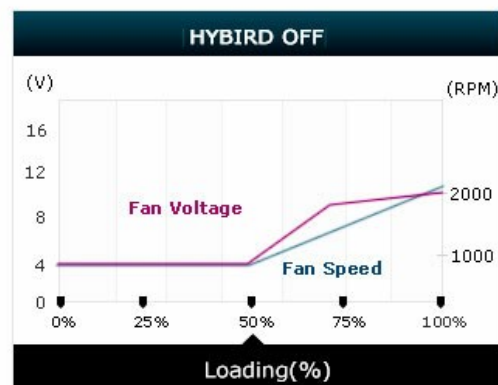
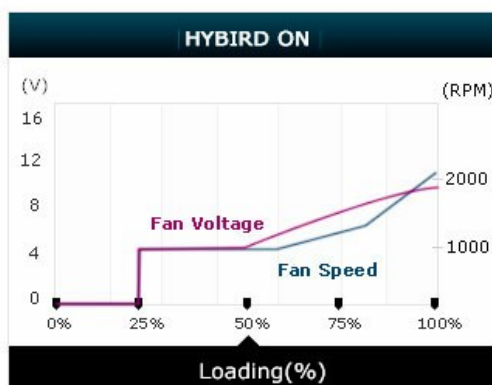
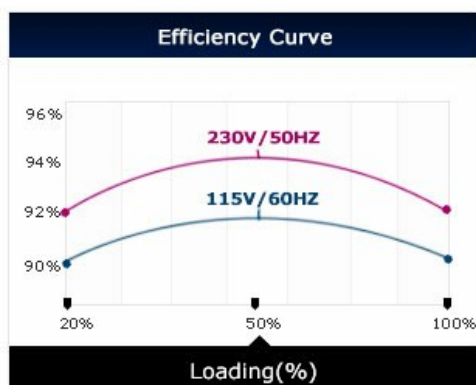


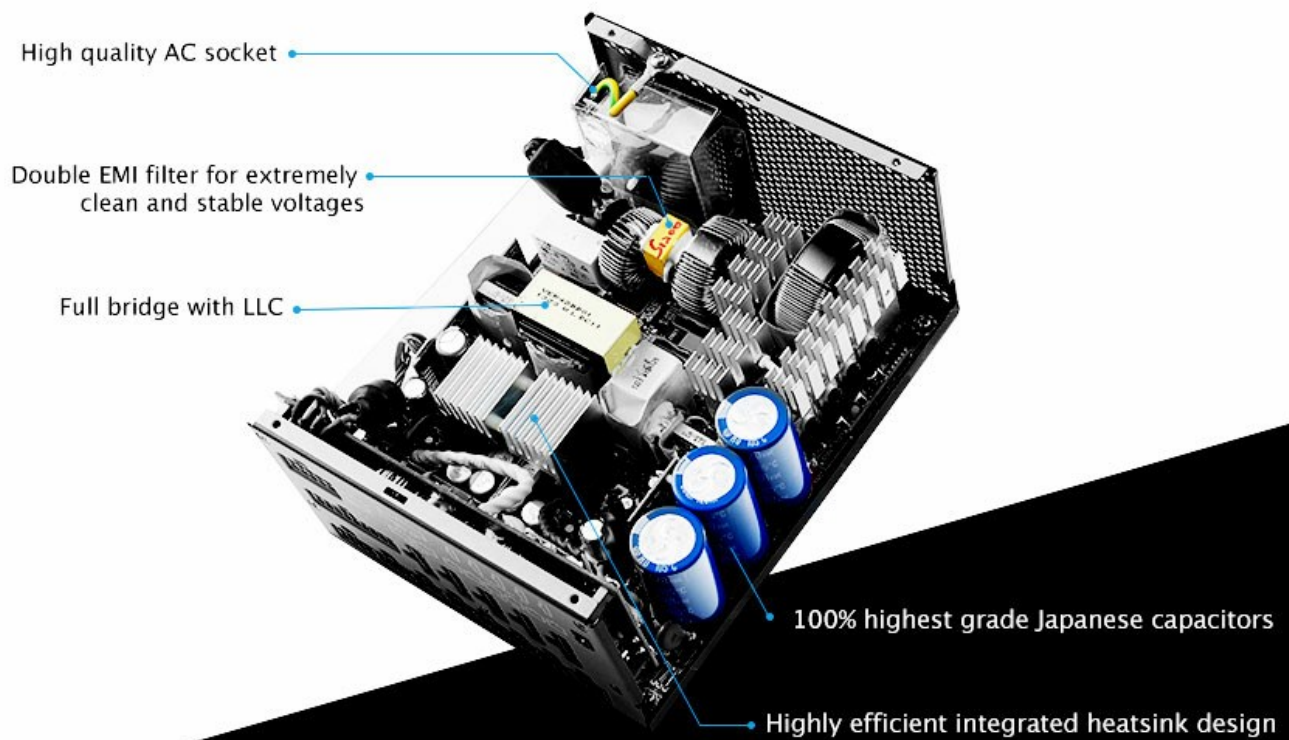
Thanks to an elaborate design with microscopic tolerances and a detailed channel, the bearing core and inner case are constantly separated by a thin film of oil, preventing the two metal parts from ever actually touching. The channels on the bearing core act as a pump, constantly looping the oil back to the center, giving it no chance to leak. This results in extremely quiet operation and an extremely long life.

### BEARING COMPARISON

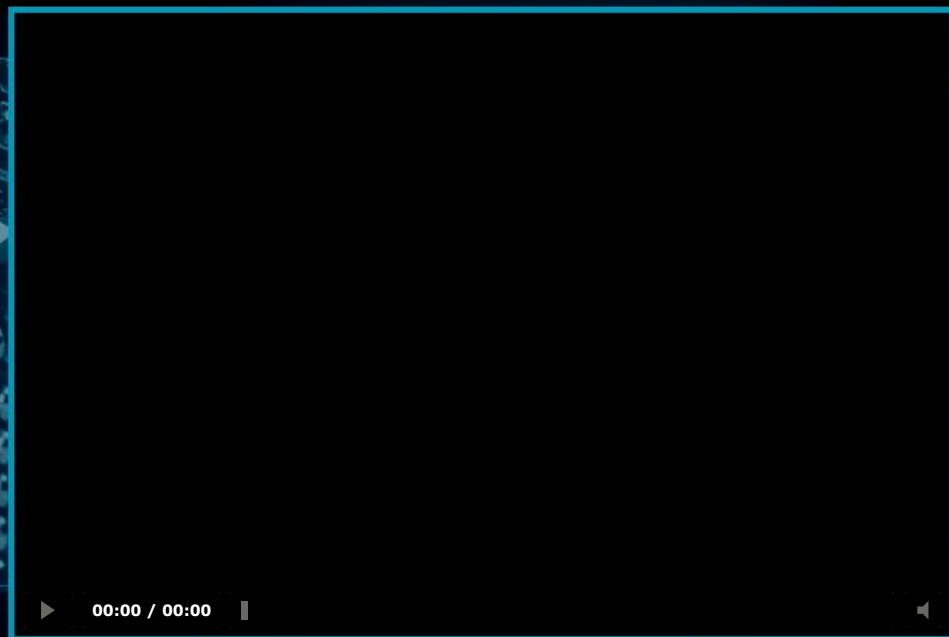
	Long Life Sleeve	Dual Ball	FDB
<b>Fan Longevity</b>	about 40,000 hrs	about 50,000 hrs	70,000 hrs or above
<b>Noise</b>	18 dBA	20 dBA	17 dBA
<b>Contact</b>	Line	Point	Non
<b>Anti shock</b>	Good	Bad	Good
<b>Cost</b>	Cost Efficient	More Expensive	High

### LOW RPM, HIGH EFFICIENCY



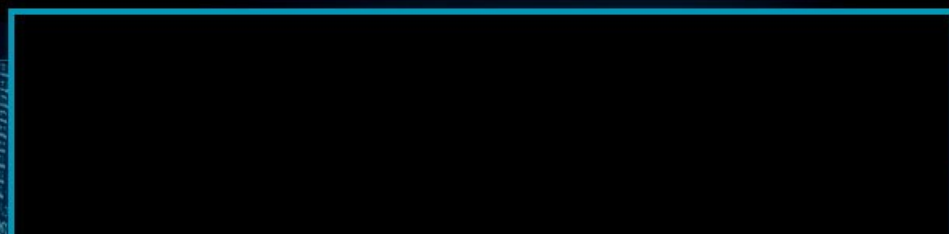


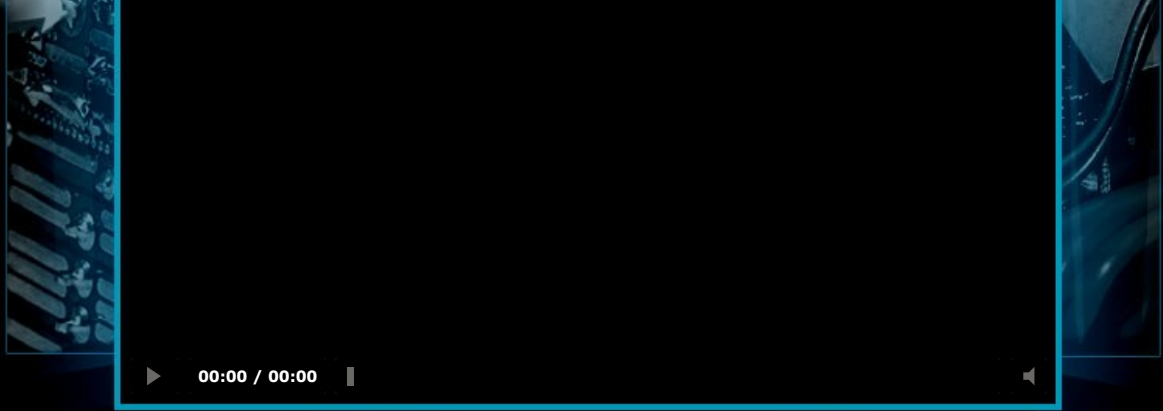
## V series DC-DC module design



The 12V goes directly through the Custom DC-DC Module and converts to 5V & 3.3V without any efficiency loss. Compared to regular DC-DC modules, the V Series' Custom DC-DC Module design results in much lower cross-talk, signal noise, and offers notably higher efficiency and voltage stability.

## Regular DC-DC module



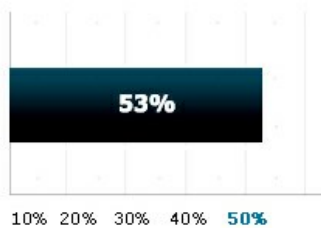


## Erp LOT 6 READY

PSU +5Vsb efficiency @ 45mA load, 230VAC

Efficiency

Dissipated Power



5VSB Power Consumption

<0.255W

System AC Input Power Consumption

<0.5W to meet 2013 Erp Lot 6\* requirement(100v~240v)

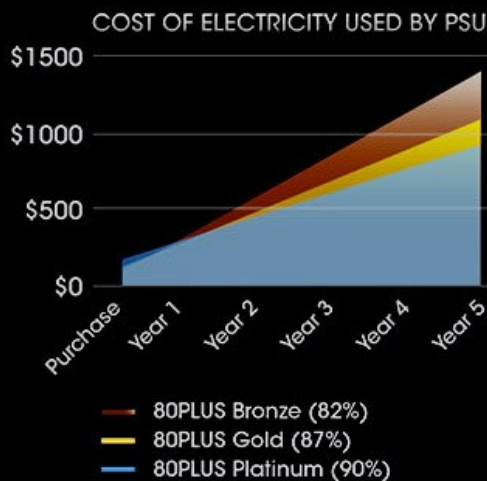
## CABLE INFO

	Motherboard 20+4 Pinx1	600m		SATA x 12	450m 120m 120m 120m x 3
	CPU 4+4 Pinx2	680m x 2		Peripheral 4Pin x9	450m 120m 120m
	PCI-e6+2Pinx12	600m 120m x 4		Floppy 4Pinx1	400m 150m 150m
		500m 120m x 2			400m 120m 120m 120m

## AC INPUT / DC OUTPUT

AC INPUT	100-240V~15-7.5A 60-50Hz				
DC OUTPUT	+3.3V	+5V	+12V	-12V	+5VSB
	25A	25A	100A	0.5A	3A
OUTPUT POWER	125W		1200W	6W	15W
	1200W				

# Save money with 80PLUS Platinum



Using an 80PLUS Platinum power supply Can save you money over less efficient power supplies.

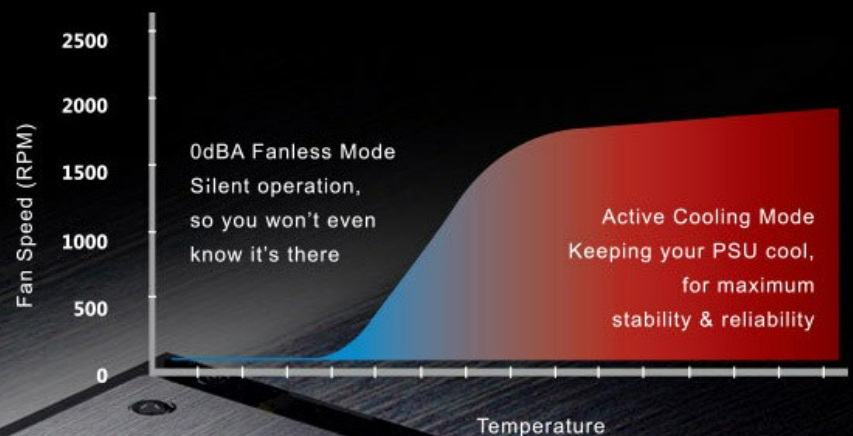
Over 5 years you can save:

- Over \$150 vs 80PLUS Gold!
- Over \$450 vs 80PLUS Bronze!

In the meantime, enjoy a quieter, cooler-running computer, because wasted power means extra heat!

Based on a 1000W system on a 1200W PSU used 24 hours a day  
Using national average household electricity cost of \$0.12/kwh , July 2013  
[http://www.eia.gov/electricity/monthly/epm\\_table\\_grapher.cfm?t=epmt\\_5\\_6\\_a](http://www.eia.gov/electricity/monthly/epm_table_grapher.cfm?t=epmt_5_6_a)

## Cooler Master Hybrid Fan Technology



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