POLAR

To curb global warming, a PSU with higher efficiency means the longevity and less energy goes to waste. The COUGAR Polar platinum efficiency series protects the Earth and makes the best for the next generation.

1200W / 1050W

80 PLUS® PLATINUM

COUGAR

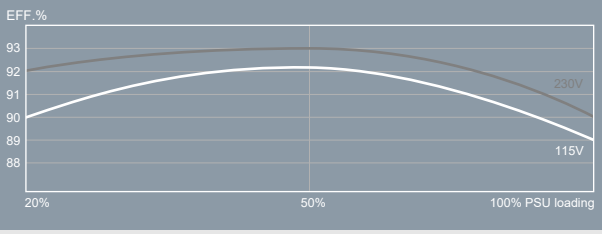
7%

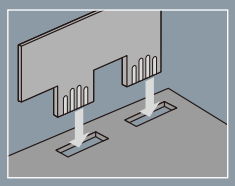
LOW ENERGY LOSS

EVERY OUTPUT IS WORTH SAVING

Save the Earth with Less Energy Loss

- The POLAR series will reduce the energy waste below 7%.
- With 80Plus Platinum certified to provide the efficiency level up to 92%.
- Less efficiency loss with streamlined board-to-board wave soldering.





BOARD-TO-BOARD SOLDERING

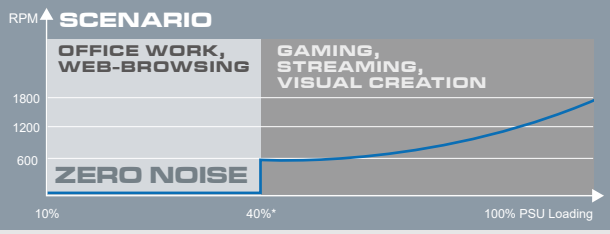
40%

ZERO NOISE MODE

ULTRA-SILENCE AT HIGH OUTPUT

Lower Heat Emission for Steady Temperature

- Zero noise mode at 40% loading silence.
- Premium low vibration sound metalaized polypropylene film capacitor.
- Automatic thermal control to provide an optimal speed-noise ratio.



LARGE 135MM SILENT FAN & INHALATION AREA INTENSIFY THE COOLING PERFORMANCE.

*40% loading equals 480W at the example of Polar 1200W wattage

100%

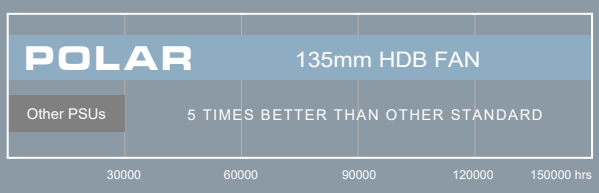
JAPANESE CAPACITORS

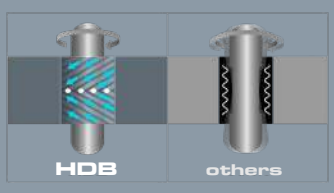
REFIND ELECTRONIC SOLUTION

Reduce the E-waste for the Next Generation

- 100% premium Japanese capacitor to prolong the longevity.
- Optimally perform in 50ºC working temperature environments.
- HDB fan to expand the durability.

10 YEARS WARRANTY

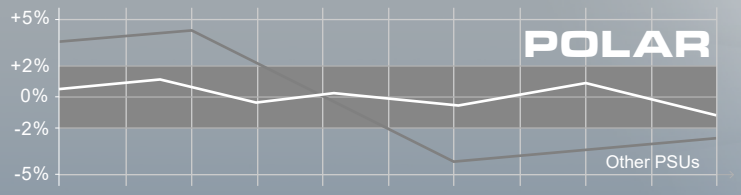


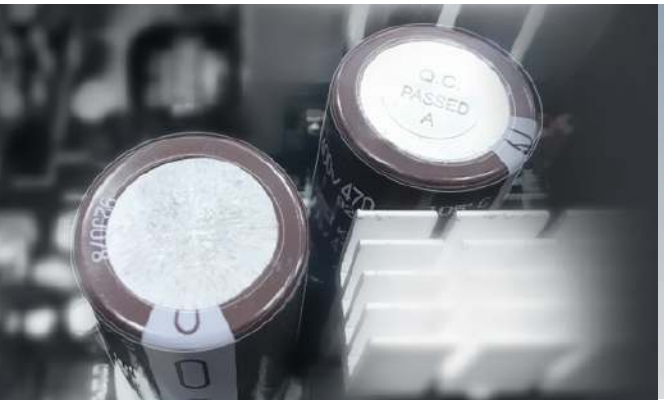


- Patented groove design
- Centralized oil pressure
- No oil leakage
- Improved stability
- Less friction and noise
- Extended lifespan

■ Tight 2% voltage regulation for ultra-stable operation.

Output Regulation





POLAR	105°C JAPANESE CAPACITORS
Other PSUs: 85°C Capacitors	LIFESPAN EXTENDED BY 300%

LIFE

FEATURES

FULLY MODULAR POWER SUPPLY UNIT
Connect only the cables you need for less clutter and better airflow

FLAWLESS OPERATION AT 50°C
Powerful performance at 50°C ambient temperature

DURABLE FDB FAN
FDB Fan: Extended durability and lower noise levels

PERFECTLY SUPPORT GEFORCE RTX™ 30 SERIES GPU

ZERO NOISE MODE & FAN CURVE TUNING
Advanced technology for noise minimization

80PLUS PLATINUM CERTIFIED
Up to 92% efficiency power conversion to cut down your electricity bill

100% REFINED JAPANESE CAPACITORS
Outstanding components extend the longevity of PSU.

CREATED FOR USER WITH MULTI-CORE CPU PLATFORMS

SPECIFICATION

	AC input	DC input					
		+3.3V	+5V	+12V	-12V	+5Vsb	Total
POLAR 1050 CGR PR-1050	AC100-240V~ 47-63Hz 15-7A	20A	20A	87.5A	0.3A	3A	1050W
		100W		1050W	3.6W	15W	
POLAR 1200 CGR PR-1200	AC100-240V~ 47-63Hz 15-7A	20A	20A	100A	0.3A	3A	1200W
		100W		1200W	3.6W	15W	

Connector	Main	CPU		Peripheral	S-ATA	PCI-E
Pin	24 (20+4) Pins	8 (4+4) Pins	8 Pins	4 Pins	5 Pins	8 (6+2) Pins
POLAR 1050	1	1	1	4	12	9
POLAR 1200	1	1	1	4	12	9

PACKING DATA

	POLAR 1050	POLAR 1200
Product Number (P/N)	31PL105001P01	31PL120001P01
EAN CODE	4710483772344	4710483772351
UPC CODE	192554003337	192554003344
JAN CODE	4541995035807	4541995035814

Individual Size W/O Packaging Weight (N.Weight)	2.09 (kg)
Individual Packaging Weight (G.Weight)	3.59 (kg)
Individual Size W/O Packaging (WxHxD)	180 x 150 x 86 (mm)
Individual Packaging Size (WxHxD)	331 X 229 x 107 (mm)