



SMART SERIES
POWER SUPPLY

SMART 700W



SMART 700W

DATASHEET



SMART SERIES
POWER SUPPLY

SMART 700W

5 YEAR
WARRANTY

Braided
Cable Sleeve

Continuous
Power

Ultra Quiet
120mm Fan

80
PLUS

intel
C6/C7 States
Ready



❖ Features

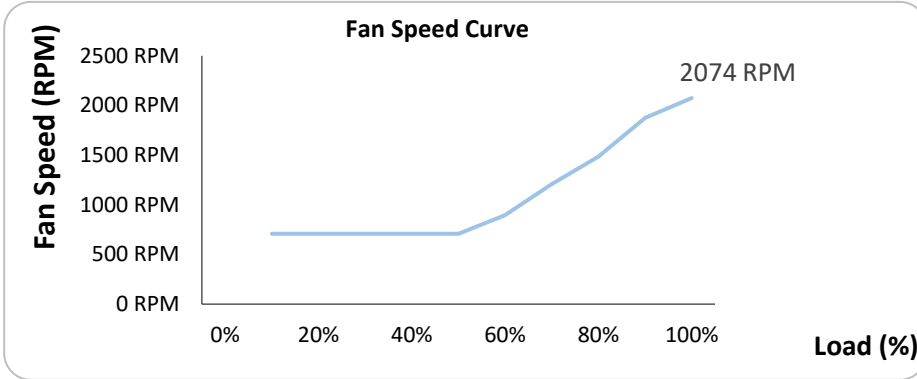
- Guaranteed to deliver 700W continuous output @ 40°C operating environment.
- 80 PLUS® certified up to 80% efficiency.
- Ultra-quiet 120mm cooling fan delivers excellent airflow at an exceptionally low noise level.
- 5 year warranty.
- High amperage single +12V rail design.
- Intel C6/C7 states ready
- Dimensions: 150mm(W)×86mm(H)×140mm(D).
- Safety approvals: cTUVus/FCC/S-Mark certifications.



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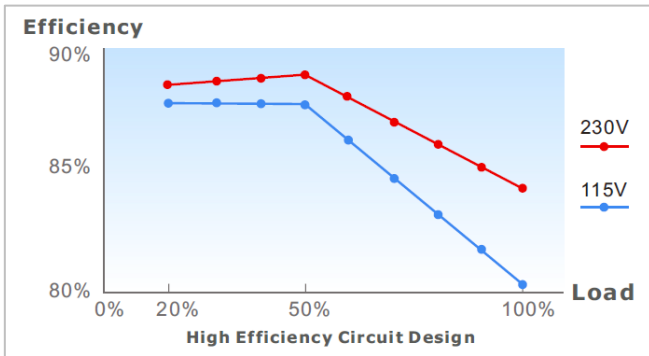
❖ Fan Curve



Ultra Quiet 120mm Fan

Ultra quiet 120mm cooling fan delivers excellent airflow.

❖ ECO Design



80 PLUS® Certified Efficiency
High efficiency circuit design.

Supports Energy Star 5.0* energy standard

Smart series is suitable for use in Energy Star-compatible computers.

Supports Intel Deep Power Down C6 Status

Helps your PC system operate more power efficiently.







Corresponds to the EU directives on WEEE and RoHS

Thermaltake considers its full impact on the environment during manufacturing and maintains green facilities to ensure Smart series meets WEEE & RoHS requirements.

❖ Output Specification

AC Input	Input Voltage: 115V - 230V~ Input Current: 10A max. Frequency: 47Hz - 63Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max Output Current	19A	17A	54A	0.3A	2.5A
Max Output Power	110W		648W	3.6W	12.5W
Total Power	700W				

❖ Total Output Connector

Connector						
Wattage	Main Power Connector (24Pin)	ATX 12V (4+4Pin)	SATA (5Pin)	PCI-E (6+2Pin)	Peripheral (4Pin)	Floppy Connector
700W	1	1	6	2	5	1

Wattage	Connector Type	Connector Quantity & Cable Length
700W	Main Power (24pin)	1 x 24pin Main connector (500mm)
	ATX 12V (4+4pin)	1 x ATX 12V 4+4pin connector (550mm)
	PCI-E (6+2pin)	2 x PCI-E 6+2pin connectors (500mm + 150mm)
	SATA	3 x SATA connectors (500mm + 150mm + 150mm) 3 x SATA connectors (500mm + 150mm + 150mm)
	Peripheral & Floppy	3 x Peripheral connectors (500mm + 150mm + 150mm) 2 x Peripheral connectors + 1 x Floppy connector (500mm + 150mm + 150mm)



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GENERAL INFO	
P/N	PS-SPD-0700NPCWxx-1
Model	SPD-700AH2NCW
Max. Output Capacity	700W
Peak Output Capacity	840W
Color	Black
Dimension (W/H/D)	150mm(W) x 86mm(H) x 140mm(D)
PFC	Active PFC
Power Good Signal	100-500 msec
Hold-Up Time	> 12msec at full load
AC INPUT	
Input Current	10A max.
Input Frequency Range	47Hz - 63Hz
Input Voltage	115V – 230V~
ENVIRONMENTAL	
Operating Temperature	0°C to + 40°C
Operating Humidity	20% to 90%, non-condensing
Storage Temperature	-20°C to + 70°C
Storage Humidity	5% to 95%, non-condensing
Cooling System	12cm sleeve fan
MISCELLANEOUS	
Efficiency	Meet 80 PLUS® at 115Vac input.
MTBF	100,000 hrs minimum
Safety Approval	cTUVus/FCC/S-Mark
PCI-E CONNECTOR	
PCI-E 6+2pin	2



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❖ **Total Protection**

Voltage Source	Over Voltage Protection
	Protection Point
+3.3V	4.5Vmax
+5V	7.0Vmax
+12V	15.6Vmax
Over Power Protection	Protection at 110%~150% over peak load.
Short Circuit Protection	Activated when any DC rails short circuited.