



thermaltake

**TOUGHPOWER SERIES**  
POWER SUPPLY

**TOUGHPOWER GF1**



# Toughpower GF1 750W (2023 Version)

## DATASHEET



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**TOUGHPower SERIES**  
POWER SUPPLY

**TOUGHPower GF1**

**Smart Zero Fan**

**10 YEAR**  
Warranty



## Features

- 750W continuous output at 40°C/104°F operating environment.
- 80 PLUS Gold Certified up to 90% efficiency.
- High efficiency Zero Cable Platform with premium build quality.
- Smart Zero Fan: Minimizes undesired noise.
- Ultra Quiet 140mm fluid bearing fan delivers excellent airflow.
- High amperage single +12V rail design.
- DC-DC design for more precise electrical output.
- Intel C6/C7 states & ErP ready.
- Built-in industry grade protections: OCP, OVP, UVP, OPP, OTP, SCP
- 10 years warranty.
- Compact Sizing: 150mm(W)x86mm(H)x140mm(D).





**Specification**

AC Input	Input Voltage: 100-240V~				
	Input Current: 15A-8A				
	Frequency: 50Hz/60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max Output Current	20A	20A	62.5A	0.3A	3A
Max Output Power	100W		750W	3.6W	15W
Total Power	750W				

**GENERAL INFO**

P/N	PS-TPD-0750FNFAGU-P
Model	TPD-750AH2FLG
Max. Output Capacity	750W
Dimension	150mm(W)x86mm(H)x140mm(D)
PFC	Active PFC
Power Good Signal	100-150 msec
Hold-Up Time	> 17msec
Cooling System	12cm FDB Fan
Smart Zero Fan	Fan will not spin until the load exceeds 30%
Weigh (Main Body)	1.53 KG

**ENVIRONMENT**

Operating Temperature	+5°C to +40°C
Operating Humidity	20% to 85%, non-condensing
Storage Temperature	-40°C to +55°C
Storage Humidity	10% to 95%, non-condensing

**MISCELLANEOUS**

Efficiency	Meet 80 PLUS® Gold at 115Vac input.
MTBF	100,000 hrs minimum
Safety Approval	FCC/cTUVus

**PCIe CONNECTOR**

PCIe 6+2pin	4
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