Toughpower GF1 850W (2023 Version)

DATASHEET

Smart Zero Fan

10 YEAR Warranty

Features

- 850W 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).

80 PLUS GOLD

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	70.8A	0.3A	3A
Max Output Power	100W		850W	3.6W	15W
Total Power	850W				

GENERAL INFO	
P/N	PS-TPD-0850FNFAGU-P
Model	TPD-850AH2FLG
Max. Output Capacity	850W
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)	1.54 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	6