



thermaltake

**TOUGHPOWER SERIES**  
POWER SUPPLY

**TOUGHPOWER PF1 850W**



# TOUGHPOWER PF1 850W

## DATASHEET



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## TOUGHPower PF1 850W

### Ultra Quiet

Hydraulic Bearing Fan

### Smart Zero Fan

### Low Ripple Noise

### Fully Modular

Flat Cables

100% Japanese  
Capacitors

10 YEAR  
Warranty



## Features

- Continuous output at 50°C/122°F operating environment.
- 80 PLUS Platinum Certified.
- 100% high quality Japanese capacitors.
- < 30mV low ripple noise design.
- Extremely strict voltage regulation <  $\pm 2\%$
- Hold up time > 16 milliseconds.
- New Board Technology Offering Single side SMD.
- Fully modular low-profile flat black cables.
- Ultra Quiet 120mm Hydraulic Bearing Fan delivers excellent airflow.
- Smart Zero Fan: Minimizes undesired noise.
- High amperage single +12V rail design.
- Intel C6/C7 states & ErP ready
- Built-in industry grade protections: OCP, OVP, UVP, OPP, SCP, OTP
- Dimension: 150mm(W)x86mm(H)x140mm(D).
- Safety approvals: CE/UL/TÜV/FCC/BSMI/CCC/ EAC certifications.



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<b>GENERAL INFO</b>	
P/N	PS-TPD-0850FNFAPx-1
Model	TTP-850AH2FKP
Max. Output Capacity	850W
Peak Output Capacity	1020W
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	> 16msec at 100% of full load
<b>AC INPUT</b>	
Input Current	10A
Input Frequency Range	50Hz - 60Hz
Input Voltage	100V – 240V~
<b>ENVIRONMENTAL</b>	
Operating Temperature	5°C to + 50°C
Operating Humidity	20% to 85%,non-condensing
Storage Temperature	-40°C to + 55°C
Storage Humidity	10% to 95%, non-condensing
Cooling System	12cm hydraulic bearing fan
<b>MISCELLANEOUS</b>	
Efficiency	Meet 80PLUS®Platinum at 115Vac input.
MTBF	120,000 hrs minimum
Safety Approval	CE/UL/TÜV/FCC/BSMI/CCC/ EAC
<b>PCI-E CONNECTOR</b>	
PCI-E 6+2pin	6