



thermaltake

TOUGHPower SERIES
POWER SUPPLY

TOUGHPower TF3



TOUGHPower TF3 1650W

PRE-DATASHEET



thermatake

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ATX 3.1 Compatible

100% Japanese
Capacitors

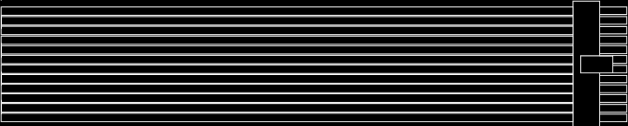
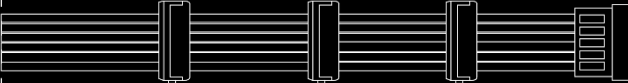
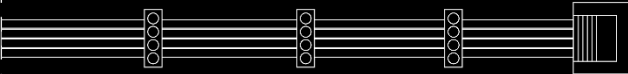
10 YEAR
Warranty

Features

- Fully compatible with ATX 3.1 standard and designed with native PCIe 12+4pin modular interface.
- 80 PLUS Titanium certified up to 94% efficiency.
- Fully modular low-profile etched flat cables.
- 100% High quality Japanese 105°C/221°F electrolytic capacitors.
- Overclocking Mode Switcher: Enable single-rail OCP mode for enhanced overclocking performance.
- 1650W continuous output at 50°C/122°F operating environment.
- < 30mV low ripple noise design.
- Extremely strict voltage regulation < $\pm 2\%$.
- >17ms hold-up time.
- DC-DC design for more precise electrical output.
- Intel C6/C7 states & ErP ready
- Built-in industry grade protections: OCP, OVP, UVP, OPP, SCP, OTP.
- 10 years warranty.
- Dimension: 150mm(W)x86mm(H)x165mm(D)



Connector and Cable Specification

Connector Type	Connector Quantity		Cable Quantity	Cable Length
Main Power (24Pin)	X 1		X 1	600mm
ATX 12V (4+4/8Pin)	X 2		X 1	750mm
			X 1	
PCle (6+2Pin)	X 9		X 3	600mm
			X 3	600mm+150mm
PCle (12+4Pin) 600W	X 2		X 2	600mm
SATA (5Pin)	X 16		X 4	600mm+150mm +150mm+150mm
Peripheral (4Pin)	X 8		X 2	600mm+150mm +150mm+150mm