Thermaltake
Cool*all* Your Life

Purepower™ Series

Unmatched Performance

Thermaltake
Cool*all* Your Life

User Manual

English   English

Table of contents

1. Warnings and Caution

1. Do not unplug the AC power cord when the power supply is in use. Doing so may cause damage to your components.
2. Do not place the power supply in a high humidity and/or temperature environment.
3. High voltages exist in the power supply. Do not open the power supply case unless you are an authorized service technician or electrician. Doing so will void the warranty.
4. PSU should be powered by the source indicated on the rating label.
5. All warranties and guarantees will be voided, if failure to comply with any of the warnings and cautions covered in this manual.

2. Components Check

- Power supply unit
- User manual
- AC power cord
- Mounting screws

/Purepower™ Series

3. Power Connector Introduction

P/N	Model	20+4pin Main Connector	4pin +12V CPU Connector	SATA Connector	Peripheral Connector	Floppy Connector	6pin PCI-E Connector
W0330	550W	1	1	4	6	2	1
W0329	450W	1	1	2	5	1	1
W0328	350W	1	1	2	5	1	0

MODELS	Connector Type	Connectors & Cable length
W0330 W0329 W0328	20+4pin	**1 x 24pin Main connector** (400mm)
	ATX 12V 4pin	**1 x ATX 12V 4pin connector** (400mm)
W0330		**3 x Peripheral, 1 x FDD connectors** (400mm + 150mm + 150mm + 150mm) **3 x Peripheral, 1 x FDD connectors** (400mm + 150mm + 150mm + 150mm)
W0329	Molex & FDD	**3 x Peripheral, 1 x FDD connectors** (400mm + 150mm + 150mm + 150mm) **2 x Peripheral connectors** (400mm + 150mm)
W0328		**3 x Peripheral connectors** (400mm + 150mm + 150mm) **2 x Peripheral, 1 x FDD connectors** (400mm + 150mm + 150mm)
W0330	SATA	**2 x SATA connectors** (400mm +150mm) **2 x SATA connectors** (400mm +150mm)
W0329 W0328	SATA	**2 x SATA connectors** (400mm + 150mm)
W0330 W0329	PCI-E 6pin	**1 x 6pin PCI-E connectors** (400mm)

4. Installation Steps

> Note: Make sure that your system is turned off and unplugged. Disconnect the AC power cord from your old power supply.

1. Open your computer case; please refer to the direction in your case manual.
2. Install the PSU into the case with the four screws provided.
3. Connect the 24 pin Main Power Connector to your motherboard and peripheral. If your motherboard uses a 20-pin connector, detach the 4-pin attachment on the 24-pin connector.
   Note: The detachable 4-pin section cannot be used in place of a 4-pin +12V connector.
4. Connect the 8-pin or 4-pin connector for the CPUs.
5. Connect other peripheral power connectors to devices such as hard drives, optical   drives, etc.
6. Close your computer case and connect the AC power cord to the power supply AC inlet.

5. Product Features

- Ultra-efficient circuitry design.
- Near-silent thermal engineering.
- Stable true power output.
- Intel ATX 12V 2.2 Compatible
- Dual +12V output circuit provides outstanding steady output for system.
- Adjustable AC input (115V/230V) for different country.
- Intel & AMD CPU compliance.
- Compatible with latest PCI-Express (450W / 550W).
- Super quiet and stable 8cm fan.
- High reliability: MTBF>100,000 hours.
- Protections: Over Power, Over Voltage, and Short-Circuit protection.
- Safety / EMI Approvals: UL and FCC certified.

6. Output Specification

INPUT VOLTAGE: 115V/230V, FREQUENCY:47HZ-63HZ								
MODEL	DC OUTPUT	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb	OUTPUT POWER	PEAK POWER
W0330	MAX Current	18A	28A	18A	18A	0.3A	2.0A	405W	550W
	MIN Current	0.3A	2A	1.0A	1.0A	0A	0A		
W0329	MAX Current	21A	18A	15A	15A	0.3A	2.5A	355W	450W
	MIN Current	0.3A	0.5A	0.5A	0.5A	0A	0A		
W0328	MAX Current	19A	18A	10A	10A	0.3A	2.5A	255W	350W
	MIN Current	0.3A	0.5A	0.5A	0.5A	0A	0A		

7. Total Protection

Over Voltage Protection	
Voltage Source	Protection Point
+3.3V	4.5V Max.
+5V	7.0V Max.
+12V	15.6V Max.

Short Circuit Protection

A short circuit placed between dc return and output rail (Approximately 0.03ohm) shall cause no damage to power supply and the main output shall shut down and latch off, but the 5Vsb might recovery automatically.