



LITEPOWER SERIES
POWER SUPPLY

LITEPOWER **RGB** 550W



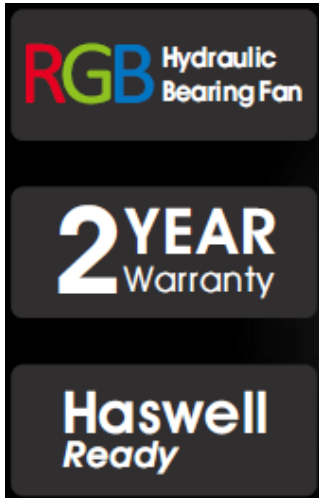
LITEPOWER RGB 550W

DATASHEET



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❖ Features

- Supports the ATX 12V V2.3 & EPS 12V standards.
- Active PFC to improve energy efficiency and provide reliable power.
- High Amperage single +12V rail design.
- Ultra-quiet 120mm cooling fan delivers excellent airflow at an exceptionally low noise level.
- 10 LED Lights including 256 Colors RGB Cycle.
- Haswell ready.
- Extra long EPS/ATX 12V 4+4pin CPU cable support full tower chassis.
- Dimension (W/H/D): 150mm x 86mm x 140mm.
- High reliability: MTBF>100,000 hours.
- Built-in industry grade protections: Over Voltage, Over Power and Short-Circuit protection
- Safety / EMI Approvals: CE, TUV SUD, CB, EAC and RCM certified.



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❖ Highlight Features



Black coating design, the suitable power supply for your stylish black coating chassis.



Extra long EPS/ATX 12V 4+4pin CPU cable support full tower chassis.



“RGB Cycle”

7 Color Options includes 256 Colors RGB Rotation Effect

SMART RGB comes with multiple lighting effects with 7 color options:

Red, Green, Blue, Yellow, Purple, Light Blue, White, and 256 colors RGB cycle .(LED Off mode available)

❖ ECO Design

- Corresponds to the EU directives on WEEE and RoHS:

Thermaltake considers its full impact on the environment during manufacturing and maintains green facilities to ensure Litpower series meets WEEE & RoHS requirements.







❖ Packaging



❖ Output Specification

AC Input	Input Voltage: 230V Input Current: 7A Frequency: 50Hz - 60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max Output Current	21A	16A	38A	0.5A	2.5A
Max Output Power	105W		456W	6W	12.5W
Total Power	550W				

❖ Total Output Connector

CABLE						
Wattage	Main Power Connector (24Pin)	ATX 12V (4+4Pin)	Peripheral (4Pin)	SATA (4Pin)	PCI-E (6+2Pin)	Floppy (4Pin)
550W	1	1	4	5	2	1

Model	Connector Type	Connectors & Cable length
550W	24pin	1 x 24pin Main connector (450mm)
	ATX 12V 4+4pin	1 x ATX 12V 4+4pin connector (550mm)
	PCI-E 6+2pin	2 x PCI-E 6+2pin connectors (450mm + 150mm)
	Molex & FDD	4 x Peripheral & 1 x FDD connectors (450mm + 150mm + 150mm + 150mm + 150mm)
	SATA	3 x S-ATA connectors (450mm + 150mm + 150mm) 2 x S-ATA connectors (450mm + 150mm)



LITEPOWER RGB 550W

GENERAL INFO

P/N	PS-LTP-0550NHSANx-1
Model	LTP-550AL2NK
Type	ATX 12V 2.3
Max. Output Capacity	550W
Color	Black
Dimension (W/H/D)	150mm x 86mm x 140mm
PFC	Active PFC
Power Good Signal	100-500 msec.
Hold-up Time	>16msec
AC INPUT	
Input Current	7A
Input Frequency Range	50Hz - 60Hz
Input Voltage	230V
ENVIRONMENTAL	
Operating Temperature	+5°C to +35°C
Operating Humidity	20% to 85%, non-condensing
Storage Temperature	-40°C to +55°C
Storage Humidity	10% to 95%, non-condensing
Cooling System	120mm Fan: 2000±10% RPM
MISCELLANEOUS	
MTBF	100,000 hrs minimum
Safety Approval	CE, TUV SUD, CB, EAC and RCM certified.
PCI-E Connector	6+2pin PCI-E Connector x 2



❖ Total Protection

Voltage Source	Over Voltage Protection
	Protection Point
+3.3V	3.76~4.3Vmax.
+5V	5.74~7Vmax.
+12V	13.4~15.6Vmax.
Over Power Protection: Protection at 110%~170% full load.	
Short Circuit Protection: Activated when any DC rails short circuited.	