

## KNOG Blinder 600 Front, Blinder Square Rear

# Knog Blinder 600 Front and Blinder Square Rear Bike Light Set User Manual

Model: Blinder 600 Front, Blinder Square Rear

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Knog Blinder 600 Front and Blinder Square Rear Bike Light Set. This set is designed to enhance your visibility and safety during cycling, day or night, with powerful illumination and durable, waterproof construction.



Image 1: Knog Blinder 600 Front and Blinder Square Rear Bike Light Set. The image displays both the rectangular front light and the square rear light, showcasing their compact design.

## 2. PRODUCT OVERVIEW

The Knog Blinder 600 Front and Blinder Square Rear Bike Light Set offers a comprehensive lighting solution for cyclists. The front light provides a powerful 600 lumens, while the rear light ensures visibility with 100 lumens and a 450-meter visibility range. Both lights are USB rechargeable, IP67 waterproof, and feature multiple light modes to suit various riding conditions.

### Key Features:

- **Powerful Illumination:** 600-lumen front light and 100-lumen rear light.
- **Extended Runtime:** Up to 120 hours for the front light (eco flash mode) and up to 60 hours for the rear light.
- **USB Rechargeable:** Convenient integrated USB-A connectors for cable-free charging.
- **Waterproof and Durable:** IP67 rated for all-weather use.
- **Versatile Mounting:** Includes durable silicone straps for secure attachment to handlebars and seatposts.
- **Multiple Light Modes:** Combined 14 light modes (6 for front, 8 for rear) for adaptable visibility.

## 3. SETUP

### 3.1. Charging the Lights

Both the Blinder 600 Front and Blinder Square Rear lights feature integrated USB-A connectors for convenient, cable-free charging. A red indicator light will illuminate when the battery is low.

1. Locate the integrated USB-A connector on each light.
2. Plug the connector directly into any standard USB-A port (e.g., computer, USB wall adapter).
3. The indicator light will show charging status (e.g., red for charging, green for fully charged).
4. A full charge for the Blinder Square Rear light typically takes approximately 4 hours, providing up to 60 hours of runtime. The Blinder 600 Front light offers up to 120 hours of runtime on eco flash mode.

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Video 1: Blinder Rear Bike Light. This video demonstrates the charging process for the Blinder Rear Bike Light, showing how to plug the integrated USB-A connector into a laptop and the indicator light status.

## 3.2. Mounting the Lights

The light set includes silicone straps for secure attachment to various bike components.

### For the Blinder 600 Front Light:

1. Select the appropriate silicone strap (small for 22-32mm diameter, large for up to 200mm circumference).
2. Wrap the strap around your bicycle's handlebar.
3. Securely attach the front light to the mount, ensuring it is firmly in place and facing forward.



Image 2: Knog Blinder 600 Front Bike Light mounted on a bicycle handlebar. The image shows the front light securely attached to the center of a bike's handlebar.

### **For the Blinder Square Rear Light:**

1. Select the appropriate silicone strap (small for 22-32mm diameter, large for up to 200mm circumference).
2. Wrap the strap around your bicycle's seatpost or seat tube.
3. Securely attach the rear light to the mount, ensuring it is firmly in place and facing backward.

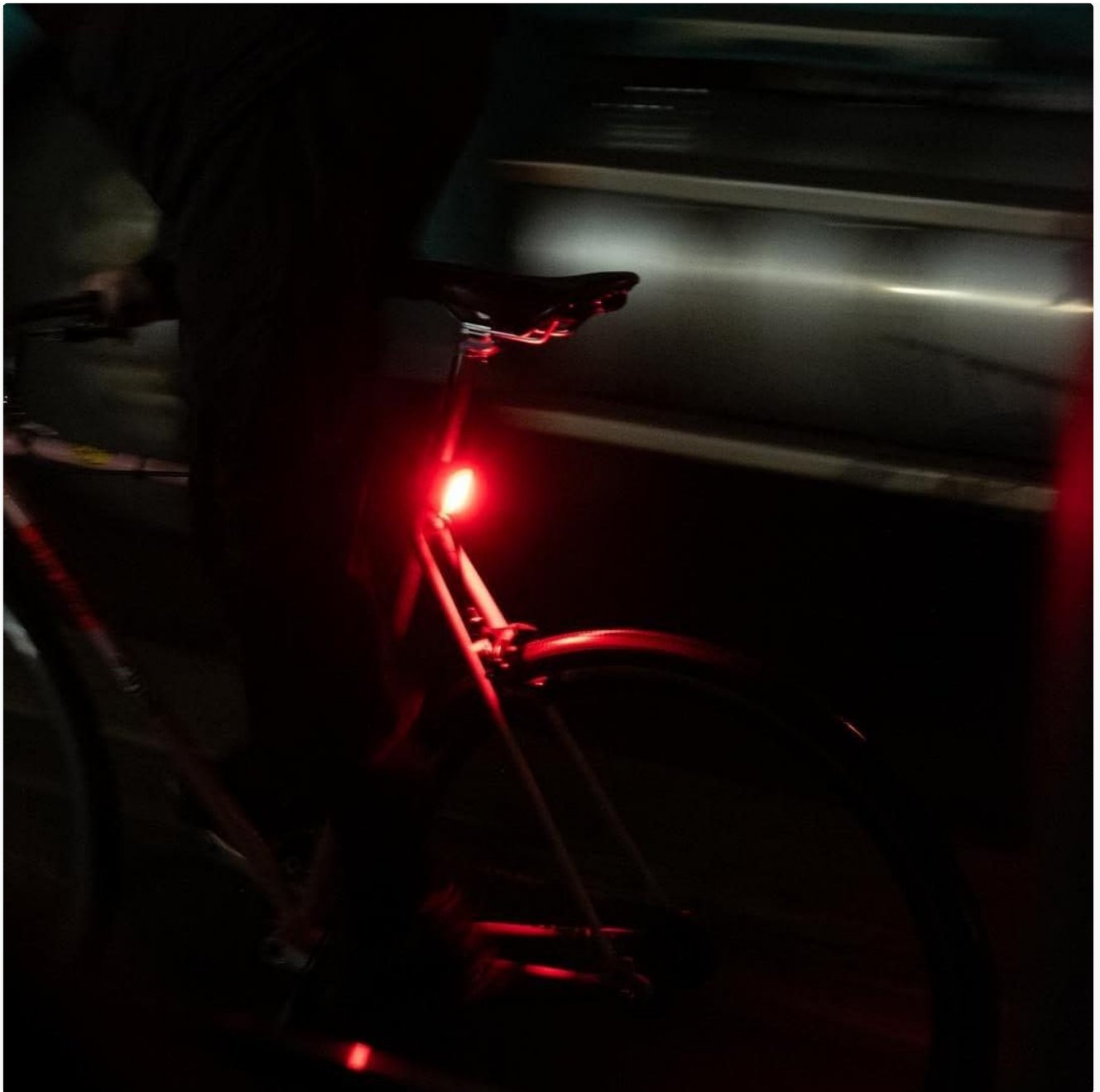


Image 3: Knog Blinder Square Rear Bike Light mounted on a bicycle seatpost. The image shows the rear light attached to the seatpost, positioned below the saddle.

## 4. OPERATING THE LIGHTS

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Both lights are operated using a single button for simplicity.

### 4.1. Power On/Off

- To turn the light **ON**, press and hold the power button for approximately 1-2 seconds.
- To turn the light **OFF**, press and hold the power button for approximately 1-2 seconds.

### 4.2. Changing Light Modes

Each light features multiple modes to optimize visibility and battery life.

- While the light is on, a short press of the power button will cycle through the available light modes.
- The Blinder 600 Front Light has 6 distinct modes.
- The Blinder Square Rear Light has 8 distinct modes.

### 4.3. Low Battery Indicator

A red indicator light will illuminate next to the power button when the battery level is low, signaling that the light needs to be recharged.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your Knog bike lights, follow these maintenance guidelines:

- **Cleaning:** Wipe the lights with a damp cloth to remove dirt and debris. Avoid using harsh chemicals or abrasive materials.
- **Charging:** Recharge the lights regularly, especially after prolonged use or if the low battery indicator is active. Avoid completely draining the battery for extended periods.
- **Storage:** Store the lights in a cool, dry place when not in use. If storing for a long time, ensure they are partially charged.
- **Waterproofing:** While the lights are IP67 waterproof, ensure the USB port cover (if applicable) is properly sealed before exposure to water.

## 6. TROUBLESHOOTING

If you encounter any issues with your Knog bike lights, refer to the following common troubleshooting steps:

- **Light not turning on:** Ensure the battery is charged. Connect to a USB power source and check the charging indicator.
- **Light not charging:** Verify the USB-A connector is fully inserted into the port. Try a different USB port or power adapter.
- **Light flickering or dim:** This usually indicates a low battery. Recharge the light.
- **Mounting issues:** Ensure the correct silicone strap is used for your bike's tube diameter and that the light is securely clipped into the mount.

If problems persist, please contact Knog customer support.

## 7. SPECIFICATIONS

Feature	Specification
Brand	KNOG
Model	Blinder 600 Front, Blinder Square Rear
Front Light Brightness	600 Lumens
Rear Light Brightness	100 Lumens
Front Light Runtime (Max)	Up to 120 hours (Eco Flash Mode)
Rear Light Runtime (Max)	Up to 60 hours
Water Resistance Level	IP67 Waterproof
Power Source	Battery Powered (USB Rechargeable)

Material	Aluminum (housing)
Mounting Type	Handlebar Mount (Front), Seatpost Mount (Rear)
Number of Front Light Modes	6
Number of Rear Light Modes	8
Item Weight (Set)	10.4 ounces
Included Components	Front Light, Rear Light

## 8. WARRANTY AND SUPPORT

### 8.1. Warranty Information

The Knog Blinder 600 Front and Blinder Square Rear Bike Light Set comes with a **2-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

### 8.2. Customer Support

For further assistance, technical support, or warranty inquiries, please visit the official KNOG store or contact their customer service directly.

[Visit the KNOG Store](#)



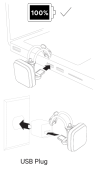
Related Documents - Blinder 600 Front, Blinder Square Rear

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## BLINDER QUICK START GUIDE

### RECHARGE BEFORE FIRST USE



USB Plug

### INTERFACE



A. LOW BATTERY INDICATOR  
B. POWER/MODE SWITCH  
C. RECHARGE INDICATOR

LONG PRESS B TO TURN LIGHT ON/OFF  
SHORT PRESS B TO CYCLE MODES

### FITMENT

#### 3 STRAP SIZES INCLUDED



BLINDERS COME PRE-FITTED  
TO CLASP WITH MEDIUM STRAP

### INTERCHANGEABLE STRAP



Stretch strap to fit clasp

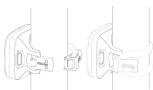


Place strap end over hook



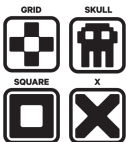
Pull strap toward the light body

### MOUNTING



1. Pull silicone strap around bar  
2. Engage latch into hook

### THE RANGE



The Blinder range is available  
in front and rear lights.

### WARRANTY INFORMATION

This light is guaranteed for 2  
years against manufacturing de-  
fects only.

The battery is guaranteed for 6  
months against manufacturing  
defects only. See the website for  
more details.

For more information go to  
**KNOG.COM**

### [Knog Blinder Bike Light Quick Start Guide](#)

A concise quick start guide for the Knog Blinder series of bicycle lights, detailing initial charging, interface controls, strap fitment and interchangeability, mounting instructions, available light patterns, and warranty information.



Blinder Road 400 / 600  
QUICKSTART GUIDE

### [Knog Blinder Road 400 / 600 Quickstart Guide](#)

Quickstart guide for the Knog Blinder Road 400 and 600 bicycle lights, covering charging, fitment, cable clearance, and interface controls.

### BLINDER QUICK START GUIDE

## 600





WHAT'S IN THE PACK



OPERATION

NOTE: THE BLINDER 600 IS PACKAGED IN DEMO MODE. TO ENABLE FULL FUNCTION OF THE LIGHT, CONNECT IT TO A USB-C CHARGER.

POWER BUTTON



LONG PRESS (3 SECS) - ON/OFF  
QUICK PRESS - CHANGE MODE  
DOUBLE PRESS - TOGGLE BETWEEN STEADY & FLASH MODES  
QUICK PRESS WHEN OFF TO CHECK BATTERY STATUS

CHARGING



LIFT THE CHARGING PORT HATCH.



INSERT USB TYPE-C CHARGING CABLE.



ONCE THE CHARGE CABLE IS INSERTED, THE POWER BUTTON WILL GLOW AMBER INDICATING THE LIGHT IS NOW IN CHARGING MODE.



ONCE FULLY CHARGED, THE POWER BUTTON WILL GLOW GREEN. AFTER 1 MINUTE THE GREEN LIGHT WILL TURN OFF.

BATTERY STATUS



A QUICK PRESS OF THE POWER BUTTON WHEN THE LIGHT IS SWITCHED OFF WILL INDICATE THE BATTERY STATUS.

WHEN THE POWER BUTTON LIGHT IS FLASHING RED, THE LIGHT'S BATTERY WILL BE REDUCED TO 50% TO PRESERVE RUNTIME.

MOUNTING

BAR MOUNT



SELECT THE CORRESPONDING HOLE TO SUIT YOUR BAR DIAMETER.



FIRMLY HOLD THE MOUNT IN PLACE & STRETCH THE STRAP DOWNWARDS.



THEN PULL THE STRAP AROUND THE BAR & SECURE ON THE HOOK.



[Knog Blinder 600 Front Bike Light Quick Start Guide](#)

Concise guide to operating, charging, and mounting the Knog Blinder 600 front bike light, including modes and runtimes.

PLACE THE LIGHT IN THE CRADLE.



COMPLETE MOUNTING BY PULLING UP ON THE TAB  
WILL APPLY TWO DOWNWARD PRESSURES TO CLIP  
THE LIGHT INTO POSITION.  
MAKE SURE THE LIGHT IS SECURE BEFORE RIDING!  
TO REMOVE, PRESS DOWN ON TAB & GENTLY PULL LIGHT  
AWAY FROM CRADLE.

UNDER MOUNT- (SOLD SEPARATELY)



LOCKED      UN-LOCKED



UN-LOCKED.

PLACE THE LIGHT INSIDE THE MOUNT IN THE UN-LOCKED  
POSITION.



LOCK THE UNDER MOUNT.



MAKE SURE THE UNDER MOUNT IS LOCKED BEFORE  
RIDING.  
DO NOT RIDE WITH THE UNDER MOUNT UNLOCKED!

REFER TO YOUR GO-PRO OR COMPUTER MOUNT INSTRUCTIONS  
TO COMPLETE BLINDER UNDER MOUNT INSTALLATION.

**MODES & RUNTIMES**

MODE	LUMENS	RUNTIME
High	600	2hr
Medium	300	4hr
Low	150	8hr
Pulse	300	8hr
Strobe	150	16hr
Eco	90	120hr

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MELBOURNE, AUSTRALIA

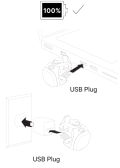
2 YEAR WARRANTY

**KNOG.COM**



**BLINDER MINI**  
QUICK START  
GUIDE

**RECHARGE**  
BEFORE FIRST USE



**INTERFACE**



A. Power / Mode switch  
B. Recharge indicator  
C. Low Battery indicator

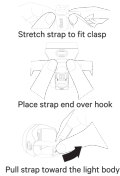
Long press A to turn light on and off.  
Short press A to cycle between modes.

**FITMENT**

**3 STRAP SIZES**  
INCLUDED



BLINDERS COME PRE-FITTED  
TO CLASP WITH MEDIUM STRAP.  
**INTERCHANGEABLE  
STRAP**

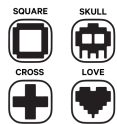


**MOUNTING**



1. Pull silicone strap around bar  
2. Engage latch into hook

**THE RANGE**



The Blinder Mini range is available  
in front and rear lights.

**WARRANTY  
INFORMATION**

This light is guaranteed for 2  
years against manufacturing de-  
fects only.

For more information go to  
**KNOG.COM**

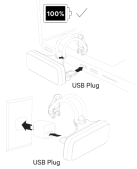
[Knog Blinder Mini Bicycle Light Quick Start Guide](#)

A concise guide to setting up and using the Knog Blinder Mini bicycle light, covering charging, interface, fitment, mounting, and available models like Square, Skull, Cross, and Love.



## BLINDER V QUICK START GUIDE

### RECHARGE BEFORE USE



### INTERFACE A B C



A. Recharge Indicator  
B. Power / Mode switch  
C. Low Battery Indicator  
Long press B to turn light on and off.  
Short press B to cycle between modes.

### FITMENT

#### 3 STRAP SIZES INCLUDED



BLINDERS COME PRE-FITTED  
TO CLASP WITH MEDIUM STRAP  
INTERCHANGEABLE  
STRAP



Stretch strap to fit clasp

Place strap end over hook



Pull strap toward the light body

### MOUNTING



1. Pull silicone strap around bar  
2. Engage latch into hook

### THE RANGE

BOLT TRAFFIC



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### WARRANTY INFORMATION

This light is guaranteed for 2  
years against manufacturing de-  
fects only.

The battery is guaranteed for 6  
months against manufacturing  
defects only. See the website for  
more details.

For more information go to  
**KNOG.COM**

## [Knog Blinder V Bike Light Quick Start Guide and Warranty](#)

Official quick start guide and warranty information for the Knog Blinder V series bike lights, including Blinder V Traffic and Blinder V Bolt models. Details product warranty coverage.

## BLINDER E 2300



### WHAT'S IN THE PACK



1. BLINDER 2300 LIGHTHEAD  
2. E-BIKE CABLE  
3. BAR MOUNT (PRE-INSTALLED)  
4. SHIM 31.8MM / 35MM (35MM PRE-INSTALLED)  
5. HEX KEY  
6. TORX SCREWDRIVER



NOTICE: BLINDERS ARE POWERED BY THE SAME SYSTEM AS OUR E-BIKE MOTORS. PLEASE READ THE TECHNICAL INSTALLATION MANUAL FOR ALL INFORMATION REGARDING THE E-BIKE AND BATTERY. ALWAYS WEAR YOUR E-BIKE LIGHTS AND BATTERY PROTECTORS TO PREVENT DAMAGE TO THE BATTERY. ALWAYS WEAR YOUR E-BIKE LIGHTS AND BATTERY PROTECTORS TO PREVENT DAMAGE TO THE BATTERY. ALWAYS WEAR YOUR E-BIKE LIGHTS AND BATTERY PROTECTORS TO PREVENT DAMAGE TO THE BATTERY.

TECHNICAL DATA

OUTPUT 2300 LUMEN  
WATTAGE 20W  
INPUT VOLTAGE 12V (5-14V) DC AD

MOUNTING

USE THE HEX KEY PROVIDED TO INSTALL THE MOUNT TO THE LIGHTHEAD OR MOST CASES, THE LIGHTHEAD & BAR MOUNT WILL BE PRE-INSTALLED.



ADJUSTING THE BEAM ANGLE

USE THE HEX KEY TO LOOSEN THE BOLT & ROTATE THE LIGHTHEAD TO YOUR CHOSEN ANGLE.

[Knog Blinder E 2300 E-Bike Light Quick Start Guide](#)

A quick start guide for the Knog Blinder E 2300 E-bike light, covering installation, wiring, operation, and power scaling modes.



USE THE HEX KEY TO TIGHTEN THE BOLT & LOCK THE LIGHT AT THE CHOSEN ANGLE.

INSTALLATION & WIRING

KNOG RECOMMENDS THAT OUR BLINDER E-BIKE LIGHTS BE INSTALLED BY A PROFESSIONAL. THE DIAGRAM BELOW SHOWS THE POLARITY OF THE SUPPLIED E-BIKE CABLE & IS FOR GENERAL INFORMATION ONLY.



BEFORE INSTALLATION ENSURE YOUR E-BIKE MOTOR HAS A LIGHT OUTPUT, DO NOT ATTEMPT TO CONNECT YOUR BLINDER E-BIKE LIGHT DIRECTLY TO YOUR E-BIKE BATTERY.

OPERATION

POWER BUTTON

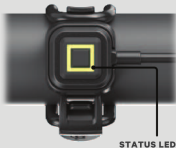
SINGLE PRESS TO POWER ON OR OFF  
DOUBLE PRESS TO TOGGLE BETWEEN STEADY & FLASHING MODE BANKS  
QUICK PRESS TO ADVANCE TO NEXT MODE

POWER BUTTON



STATUS LED

THE STATUS LED WILL SHINE BLUE WHEN THE LIGHT IS IN HIGH MODE. FOR ALL OTHER MODES THE STATUS LED WILL SHINE GREEN.



POWER SCALING MODE



THE E-BIKE LIGHTING OUTPUT POWER CAPABILITY VARIES BETWEEN BRAND AND MODEL. THE POWER SCALING MODE OFFERED ON KNOG BLINDER LIGHT HEADS ALLOWS THE MAXIMUM POWER REQUIREMENT OF THE LIGHT HEAD TO BE ADJUSTED TO MATCH THE CAPABILITIES OF THE E-BIKE.

TO ACCESS THE POWER SCALING MODE, FOLLOW THESE STEPS:  
STARTING WITH YOUR E-BIKE AND LIGHTING OUTPUT TURNED OFF, HOLD DOWN THE KNOG POWER BUTTON.

- TURN ON YOUR E-BIKE AND ITS LIGHT OUTPUT.
- RELEASE THE KNOG POWER BUTTON.
- IN POWER SCALING MODE, THE MAIN LEDS ON THE LIGHT HEAD WILL BE OFF, AND THE SELECTED POWER LEVEL WILL BE INDICATED BY THE FLASHING STATUS LED.
- A SHORT PRESS OF THE POWER BUTTON WILL TOGGLE THROUGH THE POWER LEVELS.

POWER LEVEL 1: 6W (1 FLASH GREEN)



POWER LEVEL 2: 9W (2 FLASHES GREEN)



POWER LEVEL 3: 12W (3 FLASHES GREEN)



POWER LEVEL 4: 14W (4 FLASHES BLUE)



LONG PRESS THE REMOTE POWER BUTTON TO SAVE THE POWER LEVEL & EXIT POWER SCALING MODE.

MODES

MODE	LUMENS
High	2000 @ 50W
Medium	900
Low	300
Pulse	300
Strobe	300
Red	600

\*Note this table refers to outputs in Power Scaling Mode 4.

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MELBOURNE, AUSTRALIA

2 YEAR WARRANTY

[KNOG.COM](http://KNOG.COM)