

NGB660 series provides high reliability, efficiency and output stability for stage lighting

INDUSTRY

Entertainment

SOLUTION

NGB660 series

EQUIPMENT

Stage Lighting

CHALLENGE

A world leading manufacturer of stage and arena moving lights for the entertainment industry was working on a new design of stage lighting product. The design was to include features such as wide zoom, high efficiency, flicker free light output for 8k & 16k cameras, external use and innovative light effects.

In addition to standard features the clients key requirements for the power supply were high reliability, market leading efficiency, output stability, wide operating temperature range, low emissions, IP rated, specific mounting architecture, UL8750 certification and low leakage current.

SOLUTION

Advanced Energy's NGB660 series provided the basis of a solution for the client. By design the product family is highly efficient, compact, reliable, low emissions and low leakage current.

The NGB660 series is a wide input (85 to 264 VAC), single output 660 W (440 W convection cooled) power supply. The dual-certified NGB series offers a leading edge design into both medical and industrial markets. Stringent requirements of the lighting application are perfectly suited to a high-quality, power supply.

In addition to the standard parameters, the NGB660 series was required to meet:

- UL8750 Certification
- < 250 uA leakage current
- Conformal coating
- Customer specific AC input & DC output connectors
- Relayed PCB to accommodate I/P & O/P connectors
- Client specific mounting architecture



RESULT

Advanced Energy's internal and external power supplies, including the NGB660 series, are used in spot lighting, accent lighting and stage lighting systems worldwide. These illumination systems demand the highest reliability and control, which our lighting power supplies meet with market-leading functionality, outstanding protection and extensive quality approvals.

[Click here](#) for more information on AE's Industrial Lighting applications.



For international contact information, visit advancedenergy.com.

powersales@aei.com

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