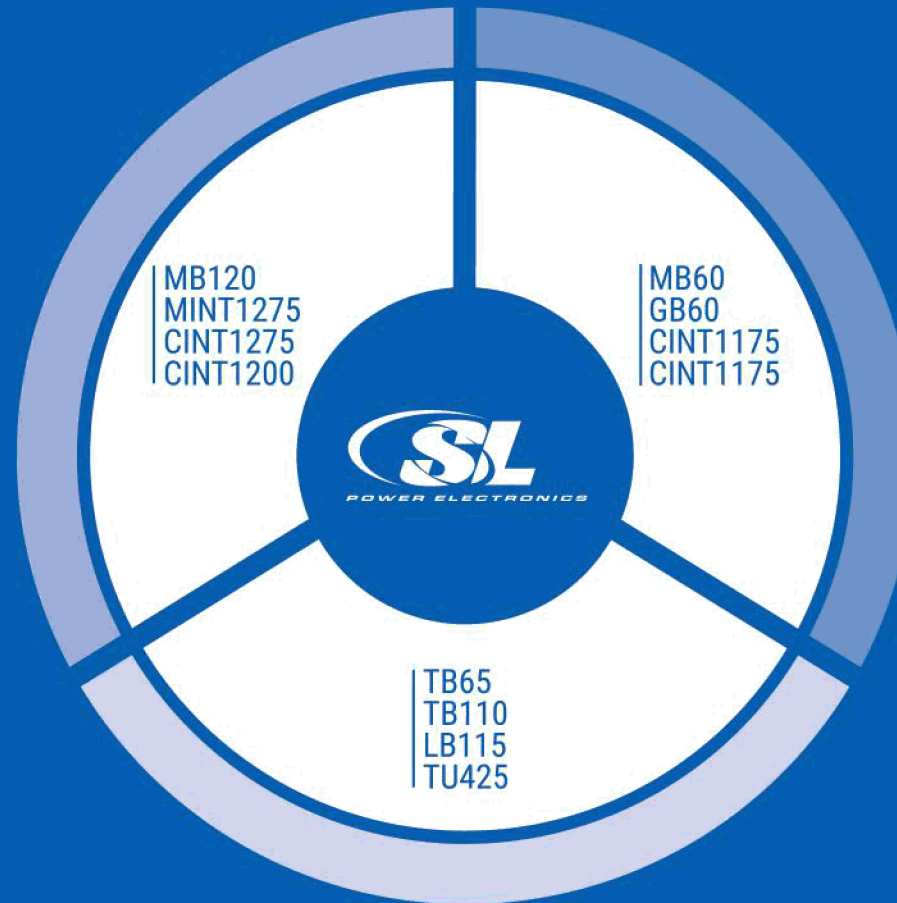


## CONVECTION RATING

The amount of power that is available from a product without relying on forced air or conduction cooling. It simply relies on the natural movement of heated air. Using only convection cooling minimizes the need to rely on forced air, thereby increasing reliability and minimizing system cost by eliminating the need for a fan.



## POWER DENSITY

The amount of power per unit volume, expressed as Watts-per-cubic-inch (w/in<sup>3</sup>). Power density is an important consideration where space is constrained, and the maximum amount of power is desired.

## RELIABILITY & EASE OF INTEGRATION

Reliability is the degree to which a specification can be depended on to be accurate. This can relate to a products ability to consistently operate as specified.

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# TB110S



## BENEFITS

- 110W of power in a compact 2" x 4" package
- Enhanced EMI performance ensures easy integration into end equipment
- Will ride-through unstable mains power fluctuations, ensuring continuous operation

## FEATURES

- Class B EMI with margin
- >15 year e-cap life
- 5V @ 1A Standby Output
- Remote Inhibit, Status Signals

## VALUE PROPOSITION

- Meeting Class B EMI Levels with margin ensures less effort by the system designer to integrate a power supply into the end equipment.
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
- Use of high quality electrolytic capacitors well below their threshold and ESR ratings help extend the life of the end equipment, and minimize field service needs.
- High convection rating minimizes the need to rely on forced air, thereby increasing reliability and minimizing system cost by eliminating the need for a fan.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS PLATFORMS APPLICATIONS



Test & Measurement



Industrial



Automation



ITE & Comms

### TEST & MEASUREMENTS

- Electronic Test
- Analytical Test
- Automatic Test Equipment
- Communications Test
- Automotive Test

### INDUSTRIAL

- Process Control
- Factory Automation
- Refrigeration controls

### AUTOMATION

- Process Control
- Factory Automation
- Refrigeration controls

### ITE & COMMS

- Datacom
- Point of Sale
- Telecom

### TEST & MEASUREMENTS

- Oscilloscopes
- Protocol Analyzers
- Power Meters
- Spectrometry
- Chromatography

### INDUSTRIAL

- Robotics
- Conveyor Systems
- HVAC Controls

### AUTOMATION

- Robotics
- Conveyor Systems
- HVAC Controls

### ITE & COMMS

- Kiosks
- ATM
- Gaming

- Rheometers
- Hardness Testers
- Gas Analyzers
- In-circuit Board Testers

- Label Printers
- Laser Cutting

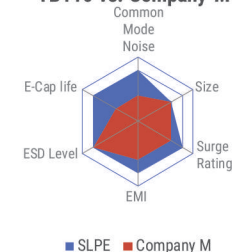
- Label Printers
- Laser Cutting

- Printers
- Sorting Machines

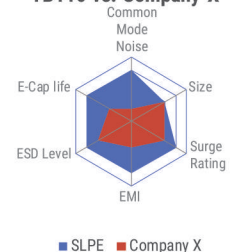
## COMPETITIVE POSITIONING

A bigger surface area means better performance and lower operating cost

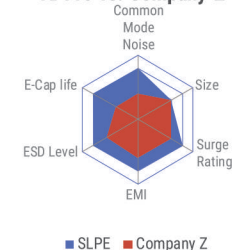
### TB110 vs. Company M



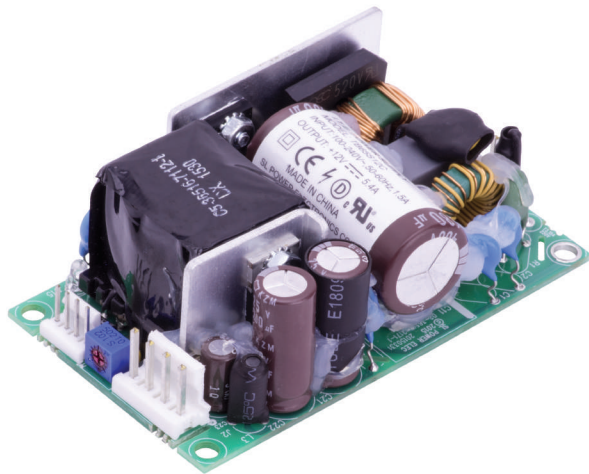
### TB110 vs. Company X



### TB110 vs. Company Z



# TB65S



## BENEFITS

- 65W of power in a compact 2" x 3.5" package
- Enhanced EMI performance ensures easy integration into end equipment
- Will ride-through unstable mains power fluctuations, ensuring continuous operation

## FEATURES

- Class B EMI with margin
- >10 year e-cap life
- PSU Temperature Monitor
- Remote Inhibit, Status Signals

## VALUE PROPOSITION

- Meeting Class B EMI Levels with margin ensures less effort by the system designer to integrate a power supply into the end equipment.
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
- Use of high quality electrolytic capacitors well below their threshold and ESR ratings help extend the life of the end equipment, and minimize field service needs.
- High convection rating minimizes the need to rely on forced air, thereby increasing reliability and minimizing system cost by eliminating the need for a fan.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS

## PLATFORMS

## APPLICATIONS



Test & Measurement



Industrial



Automation



ITE & Comms

### TEST & MEASUREMENTS

- Electronic Test
- Analytical Test
- Automatic Test Equipment
- Communications Test
- Automotive Test

### INDUSTRIAL

- Process Control
- Factory Automation
- Refrigeration Controls

### AUTOMATION

- Process Control
- Factory Automation
- Refrigeration Controls

### ITE & COMMS

- Datacom
- Point of Sale
- Telecom

### TEST & MEASUREMENTS

- Oscilloscopes
- Protocol Analyzers
- Power Meters
- Spectrometry
- Chromatography

### INDUSTRIAL

- Robotics
- Conveyor Systems
- HVAC Controls

### AUTOMATION

- Robotics
- Conveyor Systems
- HVAC Controls

### ITE & COMMS

- Kiosks
- ATM
- Gaming

- Rheometers
- Hardness Testers
- Gas Analyzers
- In-circuit Board Testers

- Label Printers
- Laser Cutting

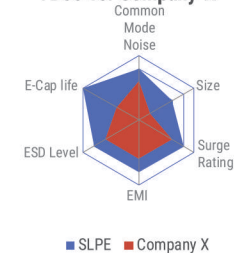
- Label Printers
- Laser Cutting

- Printers
- Sorting Machines

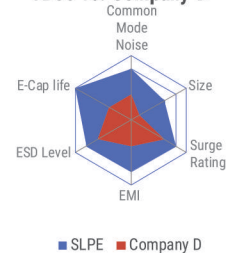
## COMPETITIVE POSITIONING

A bigger surface area means better performance and lower operating cost

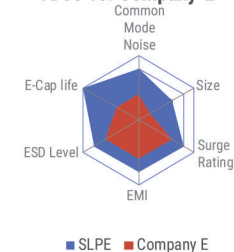
### TB65 vs. Company X



### TB65 vs. Company D



### TB65 vs. Company E



# TU425S



## BENEFITS

- 425W of power in a compact 3.3" x 6" package.
- Enhanced EMI performance ensures easy integration into end equipment.
- Will ride-through unstable mains power fluctuations, ensuring continuous operation.

## FEATURES

- Class B EMI with margin
- >7 year e-cap life
- 5V @ 2A Standby Output
- Current Share, Remote Inhibit, Status Signals

## VALUE PROPOSITION

- Meeting Class B EMI Levels with margin ensures less effort by the system designer to integrate a power supply into the end equipment.
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
- Use of high quality electrolytic capacitors well below their threshold and ESR ratings help extend the life of the end equipment, and minimize field service needs.
- High convection rating minimizes the need to rely on forced air, thereby increasing reliability and minimizing system cost by eliminating the need for a fan.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS

## PLATFORMS

## APPLICATIONS



Test & Measurement



Industrial



Automation



ITE & Comms

### TEST & MEASUREMENTS

- Electronic Test
- Analytical Test
- Automatic Test Equipment
- Communications Test
- Automotive Test

### INDUSTRIAL

- Process Control
- Factory Automation
- Refrigeration Controls

### AUTOMATION

- Process Control
- Factory Automation
- Refrigeration Controls

### ITE & COMMS

- Datacom
- Point of Sale
- Telecom

### TEST & MEASUREMENTS

- Oscilloscopes
- Protocol Analyzers
- Power Meters
- Spectrometry
- Chromatography

### INDUSTRIAL

- Robotics
- Conveyor Systems
- HVAC Controls

### AUTOMATION

- Robotics
- Conveyor Systems
- HVAC Controls

### ITE & COMMS

- Kiosks
- ATM
- Gaming

- Rheometers
- Hardness Testers
- Gas Analyzers
- In-circuit Board Testers

- Label Printers
- Laser Cutting

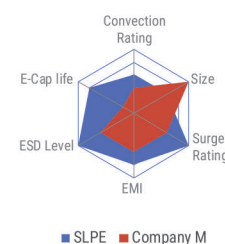
- Label Printers
- Laser Cutting

- Printers
- Sorting Machines

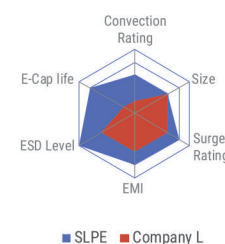
## COMPETITIVE POSITIONING

A bigger surface area means better performance and lower operating cost

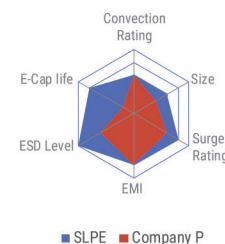
### TU425 vs. Company M



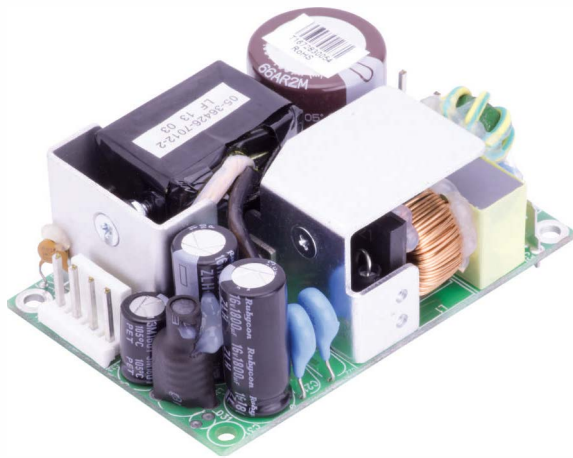
### TU425 vs. Company L



### TU425 vs. Company P



# GB60



## BENEFITS

- 60W Convection Cooled
- Power density is more than 25% higher than other 2"X3" products
- Wide temperature range of -10°C to +80°C
- Level V Efficiency Compliant Models
- 6.67 Watts/IN<sup>3</sup> power density @70°C
- Does not require a heating element to turn on at -40°C

## FEATURES

- Optional Power ON LED
- RoHS Compliant
- Approved to CSA/EN/IEC/UL60950-1, 2<sup>nd</sup> Edition

## VALUE PROPOSITION

- The smallest convection cooled 60W power supply in its class.
- Reliably delivers 40W at 70°C without the need for a fan. Reducing total application cost.
- Does not require a heating element at -40°C saving \$2 to \$10 per unit and improving end application efficiency.
- High convection rating minimizes the need to rely on forced air, thereby increasing reliability and minimizing system cost by eliminating the need for a fan.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS

## PLATFORMS

## APPLICATIONS



Test & Measurement



LED



Automation



ITE & Comms

### TEST & MEASUREMENTS

- Electronic Test
- Analytical Test

### LED

- Lighting

### AUTOMATION

- Robotics
- Instrumentation

### ITE & COMMS

- Datacom

### TEST & MEASUREMENTS

- Network Analyzers
- Chemistry Analyzers

### LED

- Theater Lighting
- Low Voltage LED Lighting

### AUTOMATION

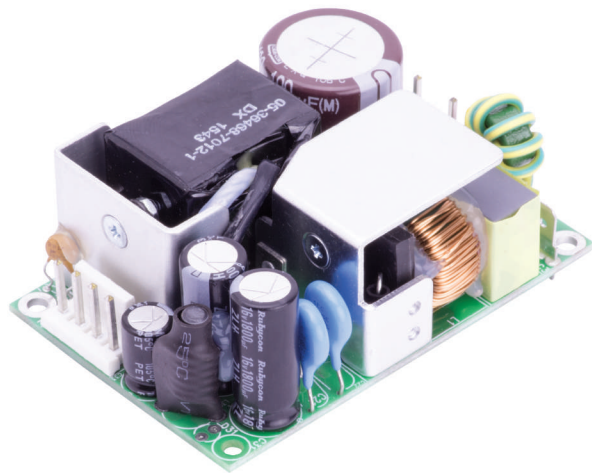
- Factory Automation
- Process Control

### ITE & COMMS

- Multiplexers
- High End Routers



# MB60



## BENEFITS

- 60W Convection Cooled
- Power density is more than 25% higher than other 2"X3" products
- Wide temperature range of -10°C to +80°C
- Level V Efficiency Compliant Models
- 6.67 Watts/IN<sup>3</sup> power density @70°C
- Does not require a heating element to turn on at -40°C

## FEATURES

- Optional Power ON LED
- RoHS Compliant
- Approved to medical standards of IEC60601-1 3<sup>rd</sup> Edition with 2 MOPP

## VALUE PROPOSITION

- To get 40W at 70°C, most system require an 80W power supply in a bigger size and higher cost.
- Possible reduction in size by 25% for end-application. A great marketing advantage over competition.
- Requiring a heating element can be costly and requires wasted space. Using the MB60, the end-application can save money and space.
- On the other extreme temperature range, it is the -40°C start up feature of the MB60 than can save \$2 to \$10 in reduction of a heating element. This is not just a cost savings, it is also an overall increase of efficiency for end-application.
- One of the most significant advantage of MB60 is that it can delivery 40W power at 70°C.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS PLATFORMS APPLICATIONS



Medical

### MEDICAL

- Medical Lighting
- Operating Equipment
- Lab Equipment
- Dental Equipment
- Hospital Equipment
- Clinical Chemistry Instruments
- Microbiology Instruments
- Drug Administration
- Hematology Instruments
- ICU Factory Automation
- Patient Monitoring

### MEDICAL

- LED lighting for heat therapy
- Chemical Therapy Analyzer
- Sterilizers
- Mass Analyzers
- Dialysis Equipment
- Infusion Pump
- Cauterizer Device
- ICU Monitor Systems
- Pulse Oximeter
- Surgical Equipment
- Imaging



# CINT1200



## BENEFITS

- 200W Air Cooled, 180W Convection Cooled
- Compact 3"x5" foot print for 1U Applications
- Over 90% typical efficiency
- High convection power under harsh thermal conditions
- Operates at temperatures as low as -40°C to +70°C

## FEATURES

- Over current, over temperature, and short circuit protection
- 5EN/CSA/UL/IEC 60950-1 2<sup>nd</sup> Edition

## VALUE PROPOSITION

- Highest forced air and convection ratings in the industry.
- Available with Class I and Class II input versions.
- Ideal for applications in harsh temperature conditions. Operates between -40°C to +70°C
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
- Use of high quality electrolytic capacitors well below their threshold and ESR ratings help extend the life of the end equipment, and minimize field service needs.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS PLATFORMS APPLICATIONS



Test & Measurement



Industrial



LED



ITE & Comms



Automation

### TEST & MEASUREMENTS

- Analytical Test

### INDUSTRIAL

- Precision Manufacturing

### LED

- Architectural Infrastructures

### ITE & COMMS

- Datacom

### AUTOMATION

- Factory Automation

### TEST & MEASUREMENTS

- Network Analyzers
- Signal Generators

### INDUSTRIAL

- HVAC Controls
- Label Printers
- Laser Cutting

### LED

- Outdoor Lighting
- Board Signage

### ITE & COMMS

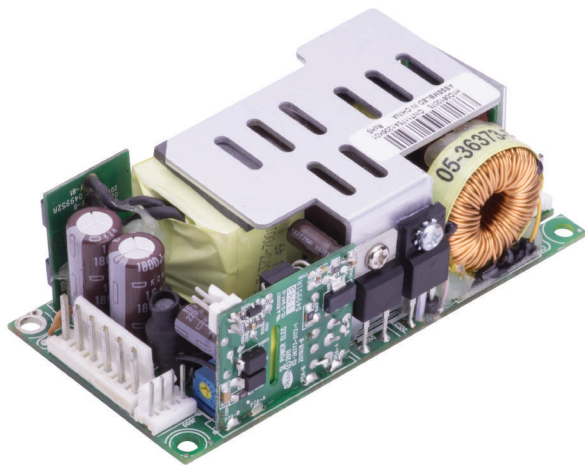
- Multiplexers
- High End Routers

### AUTOMATION

- Robotics
- Conveyor Systems



# CINT1175



## BENEFITS

- 175W Air Cooled, 120W Convection Cooled
- Compact 2"x4" foot print for 1U Applications
- 90% Efficiency Typical at Full Load
- < 200  $\mu$ A Leakage Current
- 3 Year Warranty

## FEATURES

- Remote Inhibit, AC Power Fail & DC OK signals
- Approved to IEC60601-1 3<sup>rd</sup> Edition

## VALUE PROPOSITION

- Meeting Class B EMI Levels with margin ensures less effort by the system designer to integrate a power supply into the end equipment.
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
- Use of high quality electrolytic capacitors well below their threshold and ESR ratings help extend the life of the end equipment, and minimize field service needs.
- High convection rating minimizes the need to rely on forced air, thereby increasing reliability and minimizing system cost by eliminating the need for a fan.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS

## PLATFORMS

## APPLICATIONS



Test & Measurement



Industrial



LED



ITE & Comms



Automation

### TEST & MEASUREMENTS

- Analytical Test

### INDUSTRIAL

- Precision Manufacturing

### LED

- Architectural Infrastructures

### ITE & COMMS

- Datacom

### AUTOMATION

- Factory Automation

### TEST & MEASUREMENTS

- Network Analyzers
- Signal Generators

### INDUSTRIAL

- HVAC Controls
- Label Printers
- Laser Cutting

### LED

- Outdoor Lighting
- Board Signage

### ITE & COMMS

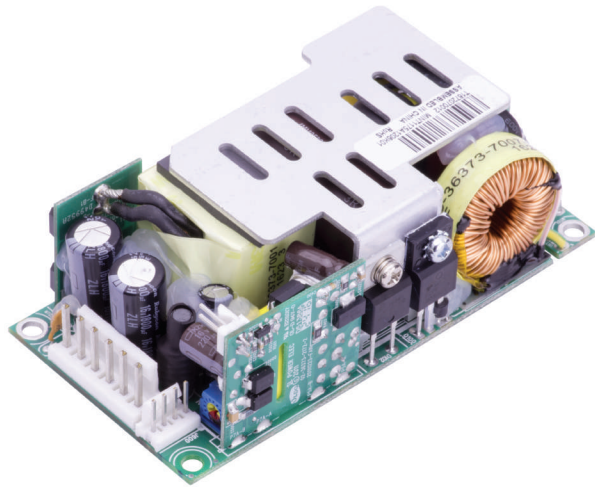
- Multiplexers
- High End Routers

### AUTOMATION

- Robotics
- Conveyor Systems



# MINT1175



## BENEFITS

- 175W Air Cooled, 120W Convection Cooled
- Compact 2"x4" foot print for 1U Applications
- 90% Efficiency Typical at Full Load
- < 200  $\mu$ A Leakage Current
- 3 Year Warranty

## FEATURES

- Remote Inhibit, AC Power Fail & DC OK signals
- Approved to IEC60601-1 3<sup>rd</sup> Edition

## VALUE PROPOSITION

- Meeting Class B EMI Levels with margin ensures less effort by the system designer to integrate a power supply into the end equipment.
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
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- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS

## PLATFORMS

## APPLICATIONS



Medical

### MEDICAL

- Medical Lighting
- Operating Equipment
- Lab Equipment
- Dental Equipment
- Hospital Equipment
- Clinical Chemistry Instruments
- Microbiology Instruments
- Drug Administration
- Hematology Instruments
- ICU Factory Automation
- Patient Monitoring

### MEDICAL

- LED Lighting for Heat Therapy
- Chemical Therapy Analyzer
- Sterilizers
- Mass Analyzers
- Dialysis Equipment
- Infusion Pump
- Cauterizer Device
- ICU Monitor Systems
- Pulse Oximeter
- Surgical Equipment
- Imaging



# LB115



## BENEFITS

- 75W Convection Cooled/115W with 200 LFM
- Small size of 2" x 4" x 1.3"
- Level V Efficiency Compliant
- -20°C to 70°C operating temperature
- Zero audible noise
- No need for EMI filter: Cost and space reduction.
- High convection and conduction rating

## FEATURES

- Meets EN55015 Conducted EMI
- Meets IEC61000-3-2 Class C for less than 1 Watt to full power
- Approved to UL/CSA/IEC/EN60950-1, 2<sup>nd</sup> Edition
- Optional LED indicator for power-on

## VALUE PROPOSITION

- A new LED power supply family intended for low power applications in stage lighting & signage markets.
- Design to meet European Lighting requirements of harmonic distortion at 0% dimming.
- With international safety approvals, it provides a seamless integration in marketing the end user fixtures across the globe.
- Delivers considerable power at elevated temperatures over 50°C.
- First SL Power product to use Combined PWM & PFC combo chip reducing component count and higher reliability.

## MARKETS PLATFORMS APPLICATIONS



Test & Measurement



Industrial



LED



ITE & Comms



Automation

### TEST & MEASUREMENTS

- Analytical Test

### INDUSTRIAL

- Precision Manufacturing

### LED

- LED Lighting
- Architectural Infrastructures

### ITE & COMMS

- Datacom

### AUTOMATION

- Factory Automation

### TEST & MEASUREMENTS

- Network Analyzers
- Signal Generators

### INDUSTRIAL

- HVAC Controls
- Label Printers
- Laser Cutting

### LED

- Theater Lighting
- Stage Lighting
- Signage

### ITE & COMMS

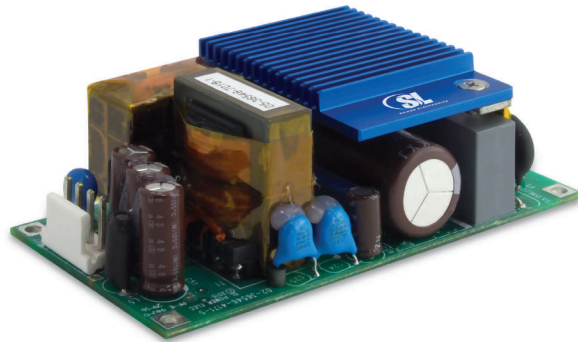
- Multiplexers
- High End Routers

### AUTOMATION

- Robotics
- Conveyor Systems



# MB120



## BENEFITS

- 100W Convection Cooled and 120W Air Cooled
- 2" x 4" x 1.25" Package, Ideal for 1U Applications
- 10-year Life design with Premium E-Caps
- Class B Conducted and Radiated EMI performance
- BF Isolation Type Rated

## FEATURES

- Designed to meet new IEC 60601-1-2 4<sup>th</sup> Edition EMC requirements
- [Approvable] to AAMI ES/CSA C22.2 /EN/IEC60601-1 3<sup>rd</sup> Edition
- 2 x MOPP Isolation
- <0.5 W Standby Power
- 3 Year Warranty

## VALUE PROPOSITION

- A superior performance 120 Watt AC to DC power supply designed for next generation medical applications.
- Feature rich and highly efficient, MB120 product family can easily fit in a 1U chassis and provides 100 Watts of convection power.
- Input & output and internal temperature monitoring/alarms are features of the MB120 family.
- All models are CE marked to low voltage directive and approved to AAMI ES/CSA C22.2 No./EN/IEC60601-1, 3<sup>rd</sup> Edition.
- The design takes into consideration the pending international release of the new IEC 60601-1-2, 4<sup>th</sup> Edition EMC requirements. With low leakage current performance, the power supplies are BF rated.

## MARKETS

## PLATFORMS

## APPLICATIONS



Medical

### MEDICAL

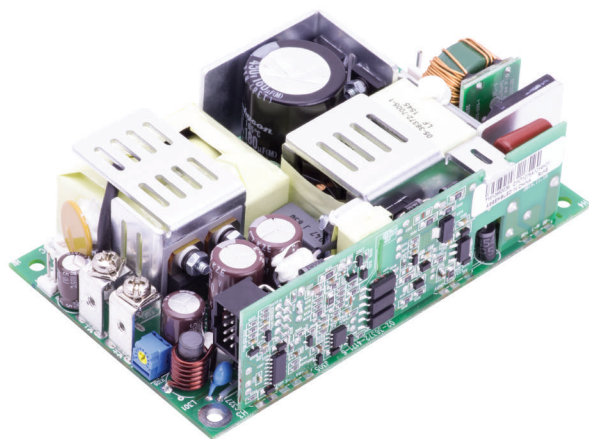
- Medical Lighting
- Operating Equipment
- Lab Equipment
- Dental Equipment
- Hospital Equipment
- Clinical Chemistry Instruments
- Microbiology Instruments
- Drug Administration
- Hematology Instruments
- ICU Factory Automation
- Patient Monitoring

### MEDICAL

- LED Lighting for Heat Therapy
- Chemical Therapy Analyzer
- Sterilizers
- Mass Analyzers
- Dialysis Equipment
- Infusion Pump
- Cauterizer Device
- ICU Monitor Systems
- Pulse Oximeter
- Surgical Equipment
- Imaging



# CINT1275



## BENEFITS

- 275W Air Cooled, 180W Convection Cooled
- Compact 3"x5" foot print for 1U Applications
- Over 90% typical efficiency
- Highest convection power under harsh thermal
- Operates at temperatures as low as -40°C to +70°C

## FEATURES

- Over current, over temperature, and short circuit protection
- 5EN/CSA/UL/IEC 60950-1 2<sup>nd</sup> Edition

## VALUE PROPOSITION

- Highest forced air and convection ratings in the industry.
- Available with Class I and Class II input versions.
- Ideal for applications in harsh temperature conditions. Operates between -40°C to +70°C
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
- Use of high quality electrolytic capacitors well below their threshold and ESR ratings help extend the life of the end equipment, and minimize field service needs.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS

## PLATFORMS

## APPLICATIONS



Test & Measurement



Industrial



LED



ITE & Comms



Automation

### TEST & MEASUREMENTS

- Analytical Test

### INDUSTRIAL

- Precision Manufacturing

### LED

- Architectural Infrastructures

### ITE & COMMS

- Datacom

### AUTOMATION

- Factory Automation

### TEST & MEASUREMENTS

- Network Analyzers
- Signal Generators

### INDUSTRIAL

- HVAC Controls
- Label Printers
- Laser Cutting

### LED

- Outdoor Lighting
- Board Signage

### ITE & COMMS

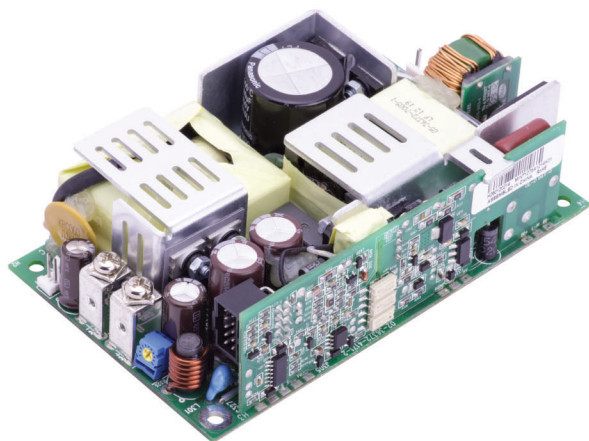
- Multiplexers
- High End Routers

### AUTOMATION

- Robotics
- Conveyor Systems



# MINT1275



## BENEFITS

- 275W Air Cooled, 180W Convection Cooled
- Compact 3"x5" foot print for 1U Applications
- Over 90% typical efficiency
- High convection power under harsh thermal conditions
- Operates at temperatures as low as -40°C to +70°C

## FEATURES

- Over current, over temperature, and short circuit protection
- 5EN/CSA/UL/IEC 60950-1 2<sup>nd</sup> Edition

## VALUE PROPOSITION

- Highest forced air and convection ratings in the industry.
- Available with Class I and Class II input versions.
- Ideal for applications in harsh temperature conditions. Operates between -40°C to +70°C
- Built-in protections against unstable operational environments minimize the need for implementing at the system level, resulting in shorter development time and reduced cost.
- Use of high quality electrolytic capacitors well below their threshold and ESR ratings help extend the life of the end equipment, and minimize field service needs.
- SL Power local technical support capabilities provide real time help in solving potential design problems which could otherwise cause revenue loss due to delays in end product introduction.
- Extensive global presence can support customers product needs as they migrate from development to production, frequently in multiple locations around the world.

## MARKETS PLATFORMS APPLICATIONS



Medical

### MEDICAL

- Medical Lighting
- Operating Equipment
- Lab Equipment
- Dental Equipment
- Hospital Equipment
- Clinical Chemistry Instruments
- Microbiology Instruments
- Drug Administration
- Hematology Instruments
- ICU Factory Automation
- Patient Monitoring

### MEDICAL

- LED Lighting for Heat Therapy
- Chemical Therapy Analyzer
- Sterilizers
- Mass Analyzers
- Dialysis Equipment
- Infusion Pump
- Cauterizer Device
- ICU Monitor Systems
- Pulse Oximeter
- Surgical Equipment
- Imaging

