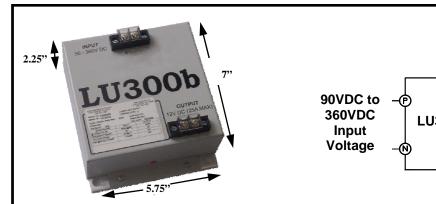
American Traction Systems

Electric Propulsion Controls and Accessories



LU300b Typical Installation

90VDC to 360VDC Input Voltage N LU300b 12V 4 x 75W LAMPS

- Compact, 12V, 300W supply (25A@12V output) Fits mounting dimensions of other makes of 100W and 200W supplies
- Wide input voltage range: 90VDC to 360VDC. Can be used with positive as well as negative grounded systems
- Output is fully isolated from input
- Input is reverse polarity protected
- Protected against output short circuits
- Used in battery or trolley-operated vehicles such as: buses, locomotives and street cars
- Approved for use in Pennsylvania mines
 Bote:1754-99
- Also available with 24VDC 25A output

ATS Part Number: A800966

Specifications:

Input Voltage: 90V to 360V Isolation Rating

Output: 25A @ 12V (300W) Input to base plate: 2500VAC, RMS

Efficiency @ 300W: 83% (max. heat loss is 51W) Input to output: 2500VAC, RMS

Output to baseplate: 500VAC, RMS

Thermal Impedance (baseplate to ambient): 0.6°C/W

Operating Temperature Range: -20°C (12°F) to 60°C (140°F)

Maximum Heatsink Temperature: 85°C (185°F)

Protection: -Output is short-circuit protected.

-Input is reverse polarity protected.

-LU300b cuts out if baseplate temperature exceeds 85°C (185°F).

-LU300b cuts out without damage, if input voltage is sustained at 365V to 400VDC.

Series Connection: The LU300b can be connected in series to provide +24V @ 25A or +/- 12V @ 25A.

Mounting: Mount the LU300b on a solid metal frame to help dissipate heat generated at maximum output.