

Transformer Rectifier Unit (TRU) and Auto Transformer Rectifier Unit (ATRU) Design Sheet

For Commercial and Military Aircraft Application Requirements

Attention: Electrocube Customer Service Representative Email: esales@electrocube.com

Company Name: _____ Date: _____

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Contact Person: _____ Title/Position: _____

Telephone: _____

Email: _____

Project Name: _____ Prototype Line Replaceable Unit (LRU) Quantity: _____

Prototype Need Date: _____ Annual Production Quantity: _____ Production Launch Date By: _____

Application: Ground Commercial Military Space Other: _____

Is an NDA required? Yes No

TRU and ATRU Information

Source Control Drawing (SCD): _____ Revision: _____ No print available: _____

Design: RTCA/DO-160 Mil-Std: -810 -461 Mil-HDBK-310 EUROCAE ED 14 Other: _____

Operating Temperature Range (in °C): _____ Operating Altitude (in Feet): _____

Weight Limit (in lbs): _____

Enclosure: ARINC 404 600 MCU Size Other: _____

TRU Isolated I/O: _____ Hipot Isolation ≥ 1750 AC: Yes No Value: _____

ATRU Isolated I/O: _____

Forced Air Cooling: Internal Fan Bottom Intake Top Exhaust Bottom Cold-Plate

Output (in kW): 1-2 3-8 9-18 19-30 31-45 Other: _____

Input: _____

(400 Hz Nom.) @ _____ V L-L 3-Wire Delta 4-Wire WYE 5-Wire WYE

Input Current Distortion (THD): 12 Pulse > 12% 18 Pulse > 7% 24 Pulse > 5% Other: _____

Output: VDC @ _____ A DC

Regulated Output: Yes No

AC Ripple Max. (in V): _____

I/O Same Connector Series In-Connector Series Out-Connector Series

Part Number: _____

Discretes: Yes No

How many discretes? _____

Types: _____

Discretes: Separate Connector Series Discretes part of In-Connector Series Out-Connector Series

Part Number: _____

PDF drawing attached to further refine the requirements: Yes No

Submit completed form [here](#)