

ELDEC TRUs for Upgrades

Your source for clean aircraft DC Bus Power



- Plug-and-play on most aircraft applications
- High efficiency
- Rugged and reliable
- Qualified by similarity to other ELDEC FAA-PMA approved TRUs

Since 1958, Crane Aerospace & Electronics has led the way in the development of reliable aircraft AC-DC power conversion. Our line of Transformer Rectifier Units (TRUs) provide affordable, efficient and reliable power conversion while meeting today's new stringent power quality requirements.

As the world's leading supplier of TRUs and Auto-Transformer Rectifiers (ATRUs) for commercial aircraft, we offer field-proven, exceptionally reliable solutions.

Ranging from 125 amps to 250 amps, our units offer:

- 115V AC 3-phase, 400Hz input
- 28V DC output power
- Developed to meet RTCA/DO-160

Typical Applications

- 28V aircraft bus
- Emergency 28V power

Markets Served

- Commercial and military transport aircraft
- Military – fighters and trainers
- Commercial and military helicopters
- VIP/business jet transport aircraft



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Model Number	81-014	81-107	81-083	81-084
Output Amperage	125	200	250	250
Output Voltage	28vdc (nominal)	28vdc (nominal)	28vdc (nominal)	28vdc (nominal)
Input	115/200vac 3 phase, 400Hz	115vac 3 phase, 324-596Hz	115vac 3 phase, 400Hz	115vac 3 phase, 400Hz
Regulation	Unregulated	Unregulated	Unregulated	Unregulated
Cooling	Internal Fan	Internal Fan	Internal Fan	Internal Fan
THD	<11%	<13%	<5%	<12%
Length (inches)	10.75	13	13	12.49
Width (inches)	5.05	6.99	9.5	9.91
Height (inches)	5.05	5	6.0	5.84
Weight	10.4 lbs (4.7kg)	15.6 lbs (7.1kg)	25.0 lbs (11.3kg)	18.5 lbs (8.4kg)
Input J1	D38999/20WD5AN	D38999/20FE6PN	MS3470L14-4P	MS3452L22-22P
Signal J2	N/A	N/A	MS3470L10-6P	D38999/20WC35PN
Output	MS25044-1	MS25044-1	Custom	Custom
Power – Positive	1/4-28 UNF-2A thread stud	1/4-28 UNF-2A thread stud	3/8-24 UNF-2A thread stud	3/8-24 UNF-2A thread stud
Power – Negative	1/4-28 UNF-2A thread stud	1/4-28 UNF-2A thread stud	5/16-24 UNF-2A thread stud	5/16-24 UNF-2A thread stud
MTBF*	>50,000 Hours	>50,000 Hours	>50,000 Hours	>50,000 Hours

* = Typical



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