



Transformer Rectifier Unit with 115 VAC (400 Hz) Input and 28 VDC (200 A) Output



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Input Voltage Range	AC Input Frequency Range	Output Voltage	Rated Output Power
108-118 VAC	380-420 Hz	28 VDC	5,6 kW

It is a transformer-based AC/DC converter designed in accordance with military aviation standards for military aircraft. It is designed in 12 pulse rectifier structure. Converts 115 VAC 400 Hz 3-phase AC voltage to 28 VDC voltage. It provides nominal 200 A DC current at 28 VDC output. It has a nominal output power of 5.6 kW. Provides DC current up to 200% of rated output current with limited performance. The unit minimum efficiency is 85%. It is cooled by fan. It is suitable for harsh working conditions.

Input Features

● Input Voltage	115 VAC/50 Hz 3-phase
● Input Voltage Range	Full Performance: 108-118 VAC Limited Performance: 100-125 VAC
● AC Input Voltage Frequency Range	380-420 Hz
● No-load Power Consumption	<1 A

Output Features

● Output Voltage	24,0-29,0 VDC (rated input)
● Rated Output Power	5.600 W
● Output Voltage Fluctuation	±1 VDC
● Rated Output Current	200 A

Mechanical Properties

● Width	156±0,2 mm
● Height	156,5±0,2 mm
● Depth	250,75±0,3 mm
● Weight	7,5±0,1 kg

Environmental Characteristics

● Operating Temperature	MIL-STD-810H -40°C ~ +70°C
● Storage Temperature	MIL-STD-810H -40°C ~ +85°C
● Temperature Shock	MIL-STD-810H Procedure 503.7, Procedure I-B
● Operational Shock	MIL-STD-810H Procedure 516.8 Shock, Procedure I, Functional Shock, 20 g 11 ms
● Vibration	MIL-STD-810H Procedure 514.8, Additional D, Category 14, Helicopter Vibration Environment
● Rain	MIL-STD-810H Procedure 506.6, Procedure III
● Humidity	MIL-STD-810H Procedure 507.6, Procedure II, Aggravated
● Sand and Dust	MIL-STD-810G Method 510.5, Procedure I/II, Tossing Dust