



CTG Series

Compact Switched Mode Rectifier



CTG 48 / 10

Designed and manufactured by CanTech, the CTG Series of Switched Mode Rectifier products offer exceptional power efficiency over a wide range of communication applications at an affordable price range.

Application - The CTG series of switched mode rectifiers provide a wide range of telecommunication and radio-communication industry applications. Can work as stand-a-lone, or be configured with battery strings to deliver reliable power source including instant charging capabilities in case of AC power outages.

Installation and Operation - All of the CTG series of products can be provided either as free-standing, or 19" - 2U rack mountable with easily accessible connection blocks located at the front of the unit. Included is an adjustable LVD (Low Voltage Disconnect) control unit protecting associated batteries against possible deep discharge, AC-Fail alarm indication and sophisticated convection cooling control.

Availability - Based on client's requirements, the CTG products are available at 230 VAC input with DC output of 12VDC, 24VDC, and 48VDC from 250W to 500W.

New package, more features - You'll notice right away that the CTG Series looks different than other rectifiers on the market. Its sleek profile incorporates an advanced switching technology which actually reduces the unit's total number of components. The result is a new generation of rectifier with a higher performance and reliability rating than other products.

Input	230VAC
Output	12VDC/20A (40A) 24VDC/10A (20A) 48VDC/5A (10A)

Rack mountable 19" - 2U

Light weight

Wide-scale communication applications

Built-in LVD control, DC and AC alarm

Compact design with convection cooling

Economically priced

More power at a reduced price - When it comes to rectifiers, CanTech has always been the industry's recognized innovator. That's why the CTG series offers more power at a lower cost than ever before. Years of research and customer consultation has enabled CanTech to develop a more cost effective rectifier that meets the complex demands of today's advanced digital communications equipment.

High quality products backed by a solid warranty In addition to being ISO 9001:2009 and CE certified, CanTech's Manufacturing Centre employs a rigorous quality control program to ensure all products meet the highest quality standards. Each product is designed with premium grade electronic components further backed by a comprehensive factory parts and service warranty.



ČSN EN ISO 9001:2009 a ČOS 051622 (AQAP 2110)

(DEFENCE STANDARDIZATION, CODIFICATION AND GOVERNMENT QUALITY ASSURANCE AUTHORITY)



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SPECIFICATIONS

Electrical		Mechanical	
Input Voltage	190VAC-264VAC @ Un=230VAC	Dimensions:	Width – 483mm Height – 87mm Depth – 380mm
Input Frequency	47Hz-63Hz	Weight	10Kg
Power	250W – 500W	Environmental	
Input Current	1.2A @ Un=230VAC	Operating Temperature	-5°C to +70 °C with power decrease of 2.5% for each 1°C over +40°C
Efficiency	87% - subject to load		
Power Factor	0.88	Features	
Output Voltage	12VDC, 24VDC or 48VDC	Indicators	AC mains OK – Green LED OVP – red LED High temperature – red LED
Range of Regulated Output Voltage	0.85Un – 1.25Un	Cabinet Alarms	AC Mains fail alarm contacts DC fail alarm contacts
Output Current	20-40A (12VDC) 10-20A (24VDC) 5A-10A (48VDC)	Adjustments	Float voltage
Output Delay	28ms		
Jump-load Response	1% differential @ 25% load change	Protection	LVD – Low Voltage Disconnect Current limit/short circuit Input/output fuses Output power limiting Thermal foldback/shutdown Input transient
Transient Response	± 3% differential from the set value with load step of 10 to 100%		
Acoustic Noise	<45dBa @ 1m	Ordering Information	
EMI Interference	FCC standards part 15/A BS6527 @1minute:	Description	Compact Switch Mode Rectifier
Insulation Characteristics	- 4kV (input – output) - 3kV (input – ground) - 1kV (output – ground)	Model	CTG 12/20 (40) CTG 24/10 (20) CTG 48/5 (10)

