



CSM02



CSM02 48V to 24V Modular DC to DC Converter Systems

The CSM02 is a compact, modular DC-DC converter system designed for communications applications.

Switched-mode technology saves energy costs The CSM02 DC-DC converter utilizes Argus' advanced switched-mode technology to provide outstanding efficiency in a compact design. Available in either a horizontal or vertical cabinet configuration, the CSM02 achieves power conversion efficiencies greater than 85 percent at full load, resulting in significant energy savings over competitive units.

Produces more power in less space The CSM02 packs maximum power into minimum space, but doesn't compromise on features. A fully equipped CSM02 system can accommodate up to six power modules – a total output capacity of 1.6 kW — as well as a supervisory control module, distribution module and input module.

Hot pluggable, front access modules Installation is easy with the CSM02's front access, slide-in modules — even while the system's on-line. Now there's never a need to power down or lose a load while performing an upgrade to your system.

Sets the industry standard The specifications of the CSM series set the industry standard. In addition to having exceptionally low acoustic and electrical noise, the output from each unit is totally isolated from the input providing full support for applications that require polarity reversal.

Available in 20, 30, 50 and 60A system capacities

Accommodates up to six, 10A power modules per system

Offers hot plug-in operation

Isolated input and output

Optional extended temperature range

Optional supervisory control module

Comprehensive features The CSM02 incorporates a comprehensive range of standard and optional features allowing it to fulfill an extensive list of applications. Standard features include input/output termination's, current limit, over voltage protection, test points, over temperature protection and fuses. Options include low temperature operation, low/high voltage alarm, adjustable OVP, fuse distribution, input breaker, on board microprocessor for remote monitoring, and a serial communications interface.

High quality products backed by a solid warranty In addition to being ISO 9000 registered, Argus' manufacturing center employs a rigorous quality control program to ensure all products meet the highest quality standards. Each product is designed with premium grade electronic components and is backed by a comprehensive factory parts and service warranty.



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Power Module		<p>Adjustments: Output voltage</p> <p>Protection: Input fuse Input inrush current limiting Over temperature limiting Input high and low voltage shutdown Output paralleling diode Current limit/short circuit protection</p>	<p>Alarms: Major alarm† Low voltage alarm† High voltage alarm†</p> <p>Adjustments: Over voltage protection High voltage alarm Low voltage alarm Test/normal selector</p> <p>† Jumper selectable form A/B contacts</p>
<p>Electrical</p> <p>Input voltage: 40 to 60 VDC</p> <p>Output voltage: 22 to 26 VDC</p> <p>Output current: 10A</p> <p>Efficiency: >85% (100% load)</p> <p>Regulation: -1%, +/-0.1% load (static) +/-0.1% line (static) <2% deviation for 50 to 100% load step (dynamic)</p> <p>Response Time: 2 ms to 0.1% of output for 50 to 100% load step</p> <p>Noise: Voice band: <22 dBnC Wide band: <10mV RMS (10kHz to 10MHz) <150mV pk to pk (10kHz to 100MHz)</p> <p>Acoustic: 45 dBA at 1m (3 ft)</p>		Input Module 50 and 60A versions	Cabinets
		<p>Features</p> <p>Indicators: Circuit breaker trip</p> <p>Alarms: Circuit breaker trip alarm†</p>	<p>Mechanical</p> <p>Connections: Input/output: Two 1/4" studs on 5/8" centers Alarm/control: Terminal block 0.5 mm² to 1.5 mm² (#20 to 16AWG)</p> <p>20A: Weight: 8.4 kg (18.5 lb.) e/w 2 power modules Dimensions: 90 H x 432 W x 305 D mm (inches) (3.5" H x 17" W x 12" D)</p> <p>30A: Weight: 10.9 kg (24 lb.) e/w 3 power modules Dimensions: 90 H x 508 W x 305 D mm (inches) (3.5" H x 20" W x 12" D)</p> <p>50A: Weight: 16.6 kg (36 lb.) e/w 5 power modules Dimensions: 178 H x 432 W x 305 D mm (inches) (7" H x 17" W x 12" D)</p> <p>60A: Weight: 19.5 kg (43 lb.) e/w 6 power modules Dimensions: 178 H x 508 W x 305 D mm (inches) (7" H x 20" W x 12" D)</p>
		Distribution Fuse Module 20, 50 and 60A versions	
		<p>Features</p> <p>Indicators: Output fuse fail</p> <p>Alarms: Output fuse alarm†</p> <p>Fuse block: 8 position 0 to 10A GMT fuses (50 and 60A versions) 4 position 0 to 10A GMT fuses (20A version)</p> <p>Connections: Terminal block 0.75 mm² to 4 mm² (#18 to #12 AWG)</p>	
<p>Environmental</p> <p>Temperature: 0° to 50°C (32° to 122°F) with specified ventilation -40° to 50°C (-40° to 122°F) (optional)</p> <p>Humidity: 0 to 95% R.H. non-condensing</p> <p>Elevation: -500 to 2800m (-1640 to 9186 ft)</p>		Analog Supervisory Module 50 and 60A versions	
<p>Features</p> <p>Indicators: Power on Output over voltage protection trip Bar graph output current Converter fail Current limit</p> <p>Alarms: Converter fail alarm†</p>		<p>Features</p> <p>Indicators: Major alarm System over voltage protection trip System high voltage alarm System low voltage alarm Test mode Digital voltmeter/ammeter</p>	

Due to continuing product improvements, Argus reserves the right to change specifications without notice.

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ISO 9000 registered

