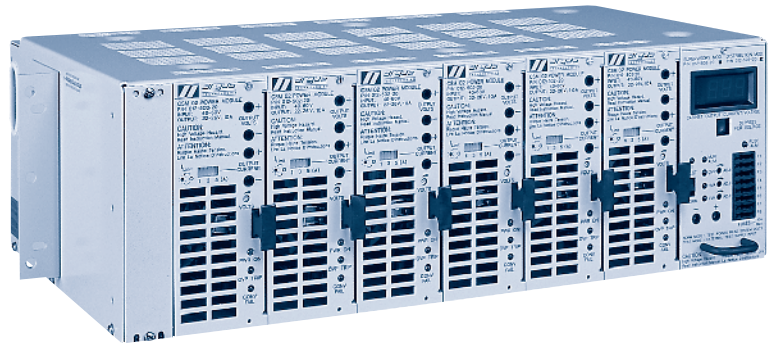


Power

CSM02 48V to 24V

Modular DC to DC Converter Systems



- 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

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

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.

CSM02 Modular DC to DC Converter Systems

Power Module(s)

Electrical	
Input voltage:	40 to 60 VDC
Output voltage:	22 to 26 VDC
Output current:	10A
Efficiency:	>85% (100% load)
Regulation:	-1%, +/-0.1% load (static) +/-0.1% line (static) <2% deviation for 50 to 100% load step (dynamic)
Response Time:	2 ms to 0.1% of output for 50 to 100% load step
Noise:	
Voice band:	<22 dBnC
Wide band:	<10mV RMS (10kHz to 10MHz) <150mV pk to pk (10kHz to 100MHz)
Acoustic:	45 dBa at 1m (3 ft)

Features	
Indicators:	Power on Output over voltage protection trip Bar graph output current Converter fail Current limit
Alarms:	Converter fail alarm†
Adjustments:	Output voltage
Protection:	Input fuse Input inrush current limiting Over temperature limiting Input high and low voltage shutdown Output paralleling diode Current limit/short circuit protection

Environmental

Temperature:	0° to 50°C (32° to 122°F) with specified ventilation -40° to 50°C (-40° to 122°F) (optional)
Humidity:	0 to 95% R.H. non-condensing
Elevation:	-500 to 2800m (-1640 to 9186 ft)

Analog Supervisory Module

Features	
Indicators:	Major alarm System over voltage protection trip System high voltage alarm System low voltage alarm Test mode Digital voltmeter/ammeter
Alarms:	Major alarm† Low voltage alarm† High voltage alarm†
Adjustments:	Over voltage protection High voltage alarm Low voltage alarm Test/normal selector

† Jumper selectable form A/B contacts

Shelves

Mechanical	
Connections:	
Input/output:	Two 1/4" studs on 5/8" centers
Alarm/control:	Terminal block 0.5 mm ² to 1.5 mm ² (#20 to 16AWG)

20A	
Weight:	8.4 kg (18.5 lb.) e/w 2 power modules
Dimensions	
mm	90 H x 432 W x 305 D
inches	3.5"H x 17"W x 12"D

30A	
Weight:	10.9 kg (24 lb.) e/w 3 power modules
Dimensions	
mm	90 H x 508 W x 305 D
inches	3.5"H x 20"W x 12"D

50A	
Weight:	16.6 kg (36 lb.) e/w 5 power modules
Dimensions	
mm	178 H x 432 W x 305 D
inches	7"H x 17"W x 12"D

60A	
Weight:	19.5 kg (43 lb.) e/w 6 power modules
Dimensions	
mm	178 H x 508 W x 305 D
inches	7"H x 20"W x 12"D

Input Module

50 and 60A versions

Features	
Indicators:	Circuit breaker trip
Alarms:	Circuit breaker trip alarm†

Distribution Fuse Module

20, 50 and 60A versions

Features	
Indicators:	Output fuse fail
Alarms:	Output fuse alarm†
Fuse block:	8 position 0 to 10A GMT fuses (50 and 60A versions) 4 position 0 to 10A GMT fuses (20A version)
Connections:	Terminal block 0.75 mm ² to 4 mm ² (#18 to #12 AWG)

For more information please visit www.argusdcpower.com