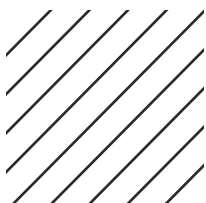
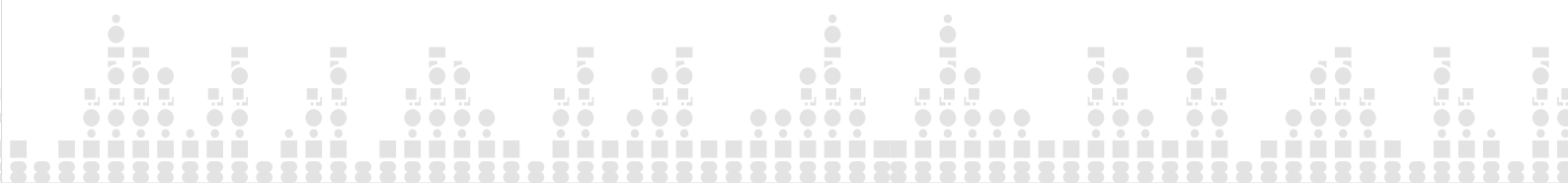
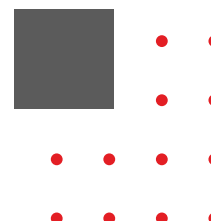


ELECTRONIC SOLUTIONS



PRODUCT CATALOGUE
2023-2024



I N D E X

01-03 COMPANY PROFILE

POWER SUPPLIES

04-16 CSS SERIES - SINGLE PHASE POWER SUPPLIES

24VDC / 2.5A ----- 5-7
24VDC / 5A ----- 8-10
24VDC / 10A ----- 11-13
24VDC / 20A ----- 14-16

17-25 CDR SERIES - REDUNDANCY MODULES

12/24VDC 10A ----- 17-19
12/24VDC 20A ----- 20-22
12/24VDC 40A ----- 23-25

INTERFACING SOLUTIONS

26-35 CSR SERIES - SLIM RELAYS

1 CO - Electro Mechanical Relay ----- 27-29
2 CO - Electro Mechanical Relay ----- 30-32
1 NO - Solid State Relay ----- 33-35

36-42 CIMRE - RELAY BOARDS

1 CO Electro Mechanical Relay ----- 37-39
2 CO - Electro Mechanical Relay ----- 40-42

43-55 CRM SERIES - MODULAR RELAYS

1 CO Electro Mechanical Relay ----- 44-46
2 CO Electro Mechanical Relay ----- 47-49
2 CO Power Contact Electro
Mechanical Relay ----- 50-52
4 CO Electro Mechanical Relay ----- 53-55

56-60 CFMD - FAN MONITORING & CONTROL DEVICE

Fan Monitor with Temperature ----- 57-58
Fan Monitor with Temperature
& Power Redundancy ----- 59-60

61-69 RELAY MODULES

1 CO - Relay Modules ----- 61-62
2 CO - Relay Modules ----- 63-64
4 CO - Relay Modules ----- 65-66
SSR Modules ----- 67-69

70-78 RELAY MODULES WITH FUSE

1 CO - Relay module with Fuse ----- 70-72
2 CO - Relay module with Fuse ----- 73-75
SSR module with Fuse ----- 76-78

79-82 RELAY MODULES WITH RECTIFIER

1 CO - Relay Rectifier Based Modules ---- 79-80
2 CO - Relay Rectifier Based Modules ---- 81-82

83-86 RELAY MODULES WITH DSUB CONNECTORS

1 CO - Relay Modules with DSUB connectors --- 83-84
2 CO - Relay Modules with DSUB connectors --- 85-86

87-100 PLC SPECIFIC INTERFACE MODULE

16 I/O Interface Modules - Schneider PLC ----- 87-88
32 I/O Interface Modules - Siemens PLC ----- 89-90
32 I/O Interface Modules - Allen Bradley PLC ----- 91-92
16 I/O Interface Modules - CNC Machines ----- 93-95
16 CH DI/DO Modules 1 CO & 2 CO ----- 96-98
32 CH DI Module ----- 99-100

101-110 PROTECTION MODULES

Standard Fuse Module ----- 101-102
Fuse Module with Fuse Fail Indication ----- 103-104
RC Module ----- 105-106
Varistor Module ----- 107-108
Diode & lamp Test Module ----- 109-110

111-120 PASSIVE MODULES

IDC / FRC Modules ----- 111-112
DSUB Modules ----- 113-114
RJ45 Interface Modules ----- 115-116
Component Carrier Modules ----- 117-118

ACCESSORIES ----- 119-120



Making A **Million** Connections Everyday

A story of **billions of
electrical connections**
made over 4 decades

From very humble beginnings to becoming one of the leading manufacturers of Terminal Blocks in the world, Connectwell is a dynamic organization focused on making the highest quality electro mechanical and electronic products.

15+ international product certifications backed by the most stringent quality standards put our products through 40+ quality tests. This has ensured a ready acceptance of our products across 80+ countries and in thousands of projects and applications.

With world class manufacturing infrastructure and systems which are ISO certified, Connectwell today has become a synonym for
... The Right Connection

VISION

- We will build a brand that puts people at the centre of it's business.
- For our employees we will create an environment which inspires them to achieve higher goals.
- For our customers we will provide products which bring them the right value.
- For the society at large we will create meaningful employment and will support those in need.

MISSION

Connectwell is dedicated to achieve customer satisfaction by, supplying the Right Product, at the Right Time and at the Right Cost.

CONNECTWELL TODAY

44 Years

Delighting Customers

300+

Channel Partners

1 Million

Connections Made Everyday

15+

Global Product Approvals

40+

Quality Tests

80+

Countries Serviced



OUR STRENGTHS

From product conceptualization to realization, we are well equipped with the latest software and high precision machinery to meet the requirements of our customers. Some of these strengths are listed below



**PRECISION HIGH VOLUME
PLASTIC MOULDING**



**MATERIAL HANDLING
& WAREHOUSING**



**HIGH SPEED SHEET
METAL PROCESSING**



**TOOL DESIGN
AND DEVELOPMENT**



**HIGH VOLUME
AUTOMATED ASSEMBLY**



**ELECTRO-MECHANICAL AND
ELECTRONIC PRODUCT DESIGN**



PRESENT, WHERE & WHEN you need us

VIRTUAL

Product Configuration

Our Visual Solution Configurator allows you to create custom solutions for your needs in minutes.



Self Service Portal

Our Self Service Portal enables you with the correct information on the status of your orders.

<<< WIDE >>>

Network of Distributors

Our dealers across India and the world, ensure the availability of our products and mitigate any supply chain hindrances.

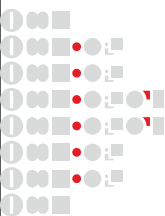
Present in 80+ Countries

No Matter where your business takes you, you will find Connectwell present to help you with products and solutions

100+

Sales & Product Support Personnel

Our experienced Sales and Marketing Team, Supported by Product Experts are at your disposal to help you arrive at the right solution for your needs.



POWER SUPPLIES



SINGLE PHASE POWER SUPPLY - 24V/2.5A

- Single Phase AC input & 24V / 2.5A, 60W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 86%
- Compact design with a width of only 40.5 mm
- Less than 1W no load power consumption



CE RoHS

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	85 - 264 VAC
DC Input Voltage Range	120 - 370 VDC
Rated Input Current AC (85 - 264 VAC)	0.26 - 0.8A
Rated Input Current DC (127 - 370 VDC)	0.19 - 0.54A
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 60A
Efficiency (Typ.)	86%
Leakage Current	<3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	±1%
Rated Current	2.5A
Rated Power(Note1)	60W
Line Regulation	±1%
Load Regulation	±1%
Output Voltage Trim Range	21.5 to 28 VDC
Rated Continuous Loading	2.5A @24VDC
Hold Up Time	50 ms
Turn On Time	600 ms at full load over entire input range
Rise Time	20 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	150mVp-p @230VA
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21VDC ±1 %
Efficiency	86%

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T2A / 250VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33V
Output short circuit	YES
Degree of protection	IP20

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 V
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25° to +70° (Refer Derating curve)
Ambient Temperature Range (Storage)	-40° to +85°
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

MECHANICAL SPECIFICATION

Dimensions	40 x 90 x 105 mm (W x H x D)
Case Material	Plastic
Net Weight	240g
Gross Weight	270g
Packing	Corrugated box packing

CONNECTION DETAILS

Wire Size	0.5 - 2.5 sq.mm
Rated Torque	0.4 Nm
Wire Size (UL)	20 - 14 AWG
Rated Torque (UL)	3.5 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75 C

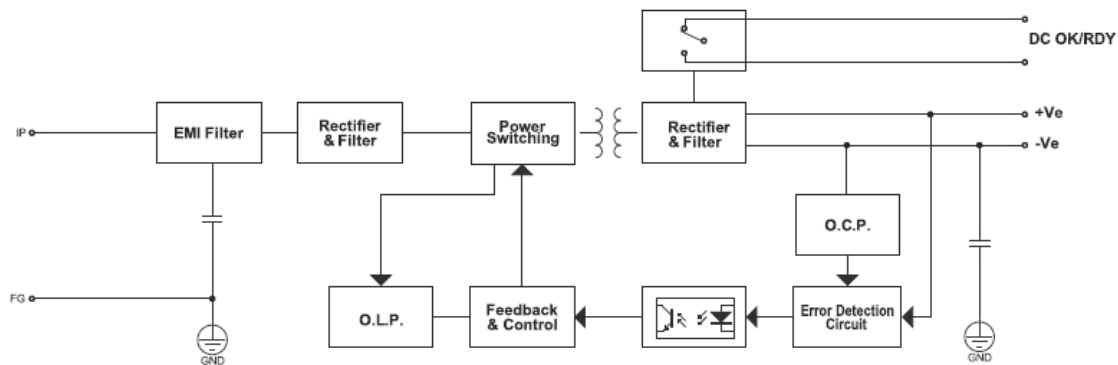
ORDERING INFORMATION

Cat. No.	CSS60/24/2.5
----------	--------------

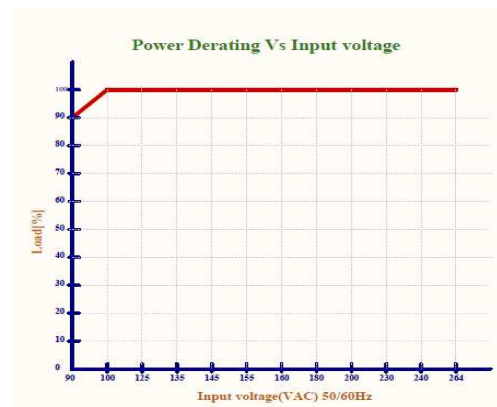
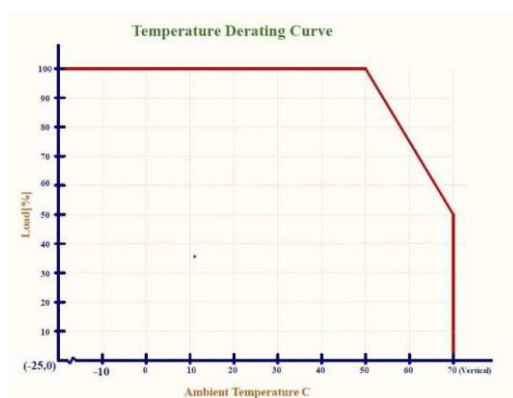
STANDARD USED FOR TESTING

EMC Emission	CISPR32
Electrostatic Discharge	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Power Frequency Magnetic Field	IEC 61000-4-8
Voltage Dips & Interruption	IEC 61000-4-11
Safety	IEC62368-1

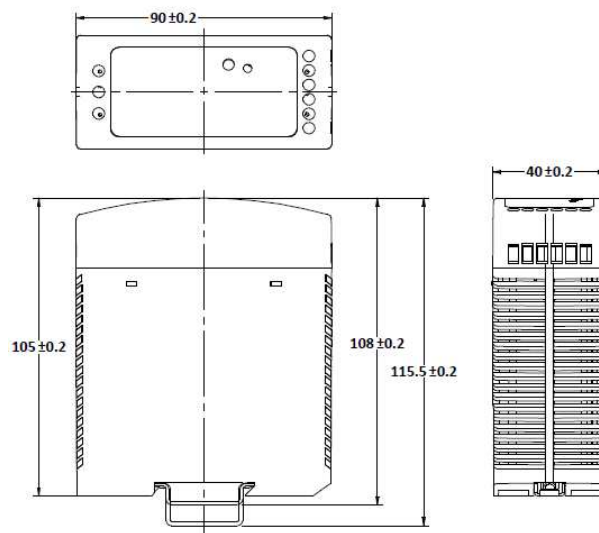
BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS



ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted

CA701-1M

35mm x 7.5mm DIN Rail - Slotted

CA701-1M-S

35mm x 15mm DIN Rail - Un slotted

CA701-15-1M

35mm x 15mm DIN Rail - Slotted

CA701-15-1M-S

Screwdriver

SCS0.5/3

End Clamp

CA103 (6 mm Pitch) / CA104 (10 mm Pitch)

SINGLE PHASE POWER SUPPLY - 24V/5A

- Single Phase AC input & 24V / 5A, 120W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 88%
- Compact design with a width of only 40.5 mm
- Less than 1W no load power consumption



CE RoHS

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	85 - 264 VAC
DC Input Voltage Range	120 - 370 VDC
Rated Input Current AC (85 - 264 VAC)	0.6 - 1.2A
Rated Input Current DC (127 - 370 VDC)	0.36 - 1.1A
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 70A
Efficiency (Typ.)	88%
Power Factor	>0.95
Leakage Current	<3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	±1%
Rated Current	5A
Rated Power(Note1)	120W
Line Regulation	±0.5%
Load Regulation	±0.5%
Output Voltage Trim Range	20 to 28 VDC
Rated Continuous Loading	5A @24VDC
Hold Up Time	16 ms / 115 VAC 20 ms / 230 VAC at full load
Turn On Time	1000 ms at full load over entire input range
Rise Time	90 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	150mVp-p @230VA
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21VDC ±1 %
Efficiency	86%

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33V
Output short circuit	YES
Degree of protection	IP20

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 V
Isolation Resistance	> 100 M Ω
Ambient Temperature Range (Operational at Vi norm)	-25° to +70° (Refer Derating curve)
Ambient Temperature Range (Storage)	-40° to +85°
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

MECHANICAL SPECIFICATION

Dimensions	40 x 125.5 x 105 mm (W x H x D)
Case Material	Metal
Net Weight	585g
Gross Weight	620g
Packing	Corrugated box packing

CONNECTION DETAILS

Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75 C

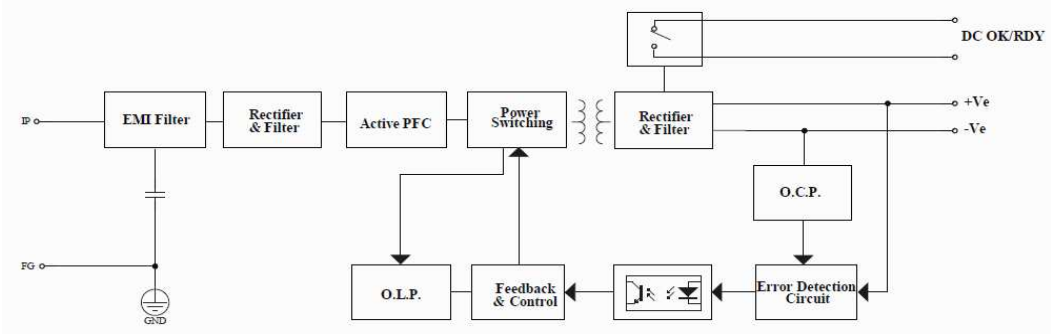
ORDERING INFORMATION

Cat. No.	CSS120/24/5
----------	-------------

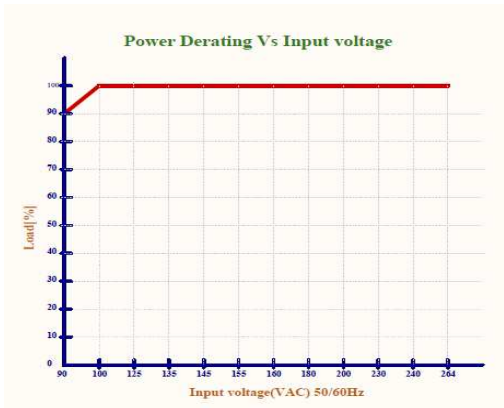
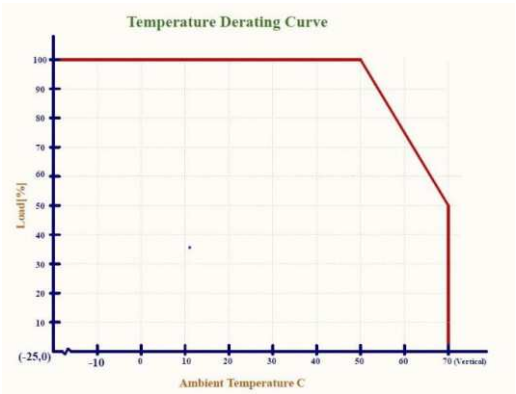
STANDARD USED FOR TESTING

EMC Emission	CISPR32
Electrostatic Discharge	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Power Frequency Magnetic Field	IEC 61000-4-8
Voltage Dips & Interruption	IEC 61000-4-11
Safety	IEC/EN62368-1

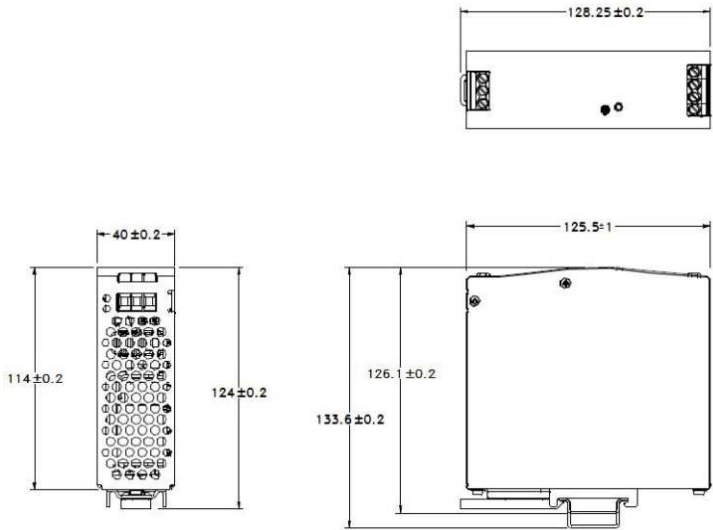
BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS



ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted

CA701-1M

35mm x 7.5mm DIN Rail - Slotted

CA701-1M-S

35mm x 15mm DIN Rail - Un slotted

CA701-15-1M

35mm x 15mm DIN Rail - Slotted

CA701-15-1M-S

Screwdriver

SCS0.5/3

End Clamp

CA103 (6 mm Pitch) / CA104 (10 mm Pitch)

SINGLE PHASE POWER SUPPLY - 24V/10A

- Single Phase AC input & 24V / 10A, 240W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 92%
- Compact design with a width of only 63 mm
- Less than 1W no load power consumption



CE RoHS

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	85 - 264 VAC
DC Input Voltage Range	120 - 370 VDC
Rated Input Current AC (85 - 264 VAC)	0.98 - 3.05A
Rated Input Current DC (127 - 370 VDC)	0.7 - 2.05A
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 12A
Efficiency (Typ.)	>92%
Power Factor	>0.93
Leakage Current	<3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	±1%
Rated Current	10A
Rated Power(Note1)	240W
Line Regulation	±0.5%
Load Regulation	±1%
Output Voltage Trim Range	20 to 28 VDC
Rated Continuous Loading	10A @24VDC
Hold Up Time	22 ms / 115 VAC 22 ms / 230 VAC at full load
Turn On Time	2000 ms at full load over entire input range
Rise Time	100 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	150mVp-p @230VA
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21VDC ±1 %
Efficiency	92%\
Boost Current	12A

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T5A / 250VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33V
Output short circuit	YES
Degree of protection	IP20

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 V
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25° to +70° (Refer Derating curve)
Ambient Temperature Range (Storage)	-40° to +85°
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

MECHANICAL SPECIFICATION

Dimensions	63 x 125.5 x 124 mm (W x H x D)
Case Material	Metal
Net Weight	752g
Gross Weight	800g
Packing	Corrugated box packing

CONNECTION DETAILS

Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75 C

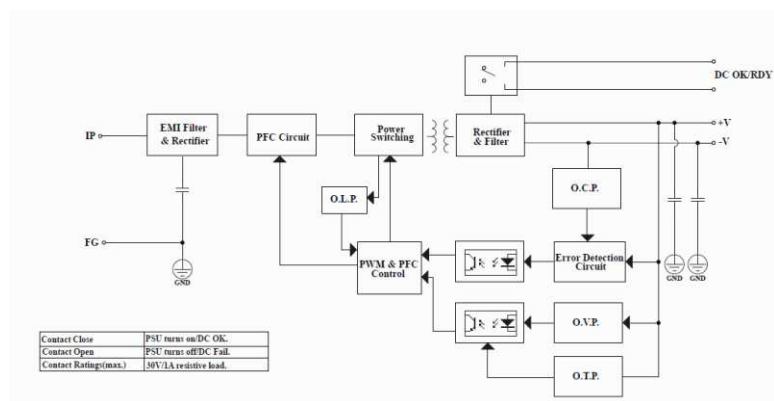
ORDERING INFORMATION

Cat. No.	CSS240/24/10
----------	--------------

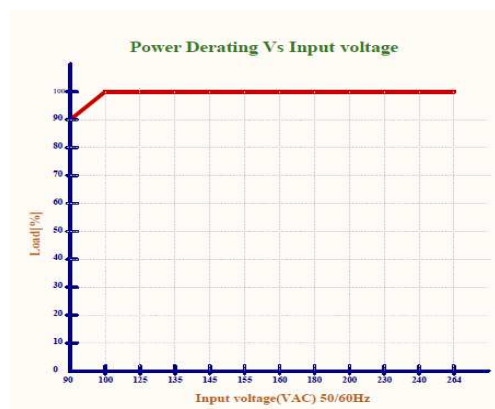
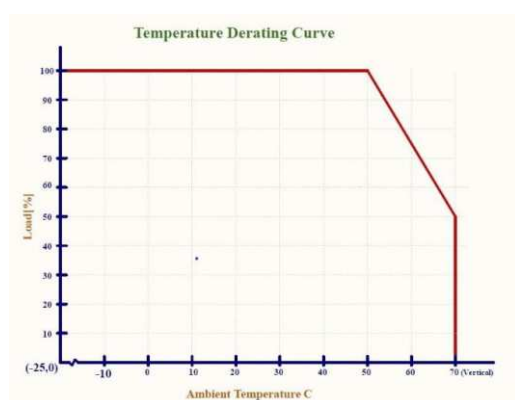
STANDARD USED FOR TESTING

EMC Emission	CISPR32
Electrostatic Discharge	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Power Frequency Magnetic Field	IEC 61000-4-8
Voltage Dips & Interruption	IEC 61000-4-11
Safety	IEC/EN62368-1

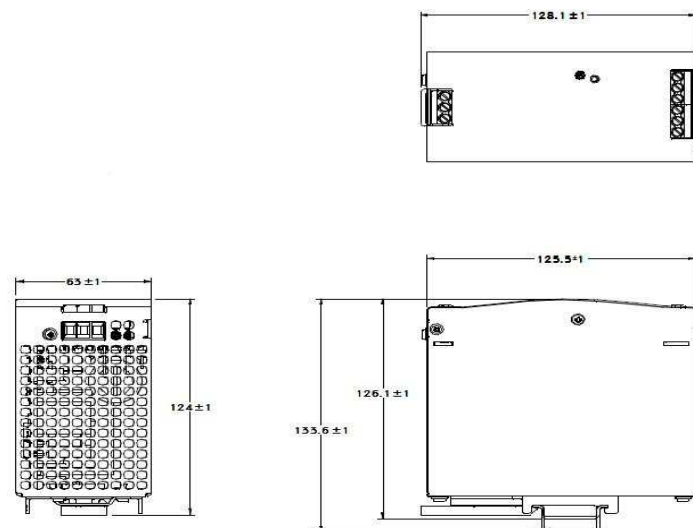
BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS



ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted

CA701-1M

35mm x 7.5mm DIN Rail - Slotted

CA701-1M-S

35mm x 15mm DIN Rail - Un slotted

CA701-15-1M

35mm x 15mm DIN Rail - Slotted

CA701-15-1M-S

Screwdriver

SCS0.5/3

End Clamp

CA103 (6 mm Pitch) / CA104 (10 mm Pitch)

SINGLE PHASE POWER SUPPLY - 24V/20A

- Single Phase AC input & 24V / 20A, 480W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 91.5%
- Compact design with a width of only 63 mm
- Less than 2W no load power consumption



CE RoHS

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	85 - 264 VAC
DC Input Voltage Range	120 - 370 VDC
Rated Input Current AC (85 - 264 VAC)	2 - 6.2A
Rated Input Current DC (127 - 370 VDC)	1.4 - 4.1A
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 15A
Efficiency (Typ.)	91.5%
Power Factor	>0.95
Leakage Current	<3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	±1%
Rated Current	20A
Rated Power(Note1)	480W
Line Regulation	±0.5%
Load Regulation	±1%
Output Voltage Trim Range	20 to 28 VDC
Rated Continuous Loading	20A @24VDC
Hold Up Time	20 ms / 115 VAC 20 ms / 230 VAC at full load
Turn On Time	3000 ms at full load over entire input range
Rise Time	400 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	150mVp-p @230VA
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21VDC ±1 %
Efficiency	91.5%
Boost Current	24A

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T5A / 250VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33V
Output short circuit	YES
Degree of protection	IP20

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 V
Isolation Resistance	> 100 M Ω
Ambient Temperature Range (Operational at Vi norm)	-25° to +70° (Refer Derating curve)
Ambient Temperature Range (Storage)	-40° to +85°
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

MECHANICAL SPECIFICATION

Dimensions	86 x 125.5 x 138 mm (W x H x D)
Case Material	Metal
Net Weight	1059g
Gross Weight	1115g
Packing	Corrugated box packing

CONNECTION DETAILS

Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75 C

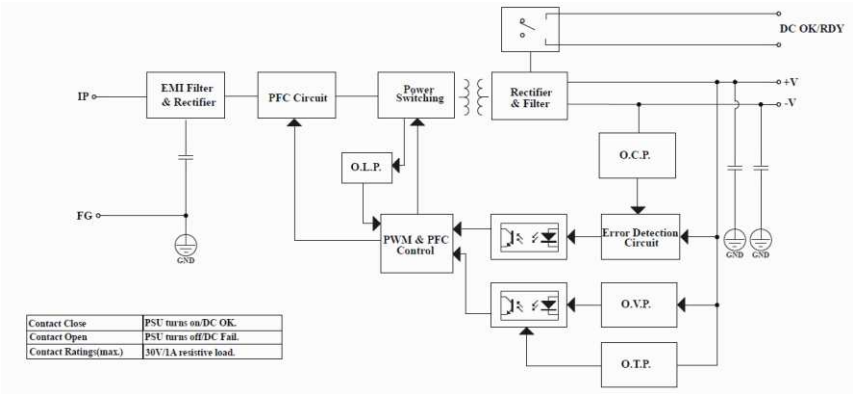
ORDERING INFORMATION

Cat. No.	CSS480/24/20
----------	--------------

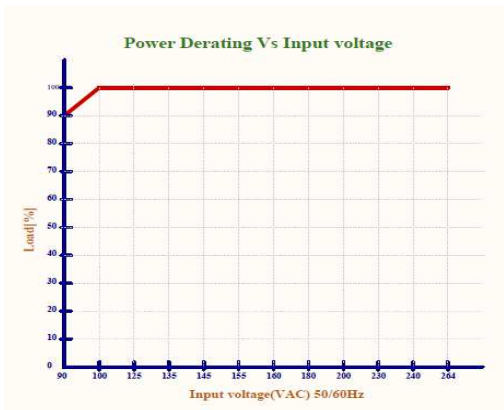
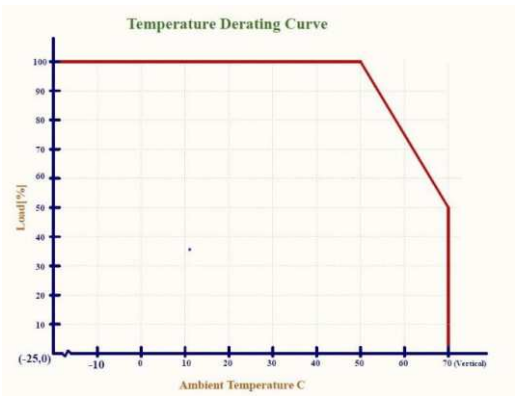
STANDARD USED FOR TESTING

EMC Emission	CISPR32
Electrostatic Discharge	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Power Frequency Magnetic Field	IEC 61000-4-8
Voltage Dips & Interruption	IEC 61000-4-11
Safety	IEC/EN62368-1

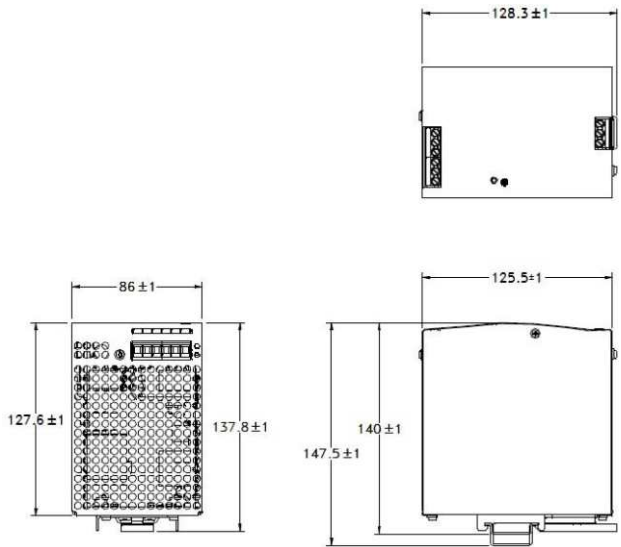
BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS



ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted

CA701-1M

35mm x 7.5mm DIN Rail - Slotted

CA701-1M-S

35mm x 15mm DIN Rail - Un slotted

CA701-15-1M

35mm x 15mm DIN Rail - Slotted

CA701-15-1M-S

Screwdriver

SCS0.5/3

End Clamp

CA103 (6 mm Pitch) / CA104 (10 mm Pitch)

REDUNDANCY MODULE - 10A

- 10 A Redundant Module Din Rail Mountable
- 100% decoupling of power supply units connected in parallel
- Suitable for Redundant operation of 12/24V System
- DIN Rail Mounting
- Reverse polarity Protection
- LED indicator for input line

CE RoHS



GENERAL SPECIFICATION

Isolation Voltage -AC (IP/OP-FG)	500VAC
Isolation Voltage -AC (IP/OP-Relay)	NA
Isolation Voltage -AC (Relay-FG)	NA
Isolation Resistance	> 100Mohm
Ambient Temperature Range (Operational at Vi norm)	-25°C to +70 °C (Refer to Temperature Derating Curve)
Ambient Temperature Range (Storage)	-40°C to +85 °C & 10 - 95% RH
Relative Humidity Range	20 ~ 95% RH Non-condensing
Cooling	Free Air Convection
Pollution Degree	2

ORDERING INFORMATION

Cat. No.	CDR10
Output Voltage	12/24 VDC
Output Current	10A
Output Wattage	240 W
Input Voltage Range	10.2 - 30 VDC
Standard Packing Qty	1

PHYSICAL SPECIFICATION

Dimensions	40 x 125.5 x 124 (W x H x D)
Case Material	Metal
Base	Aluminium
Cover	Metal
Net Weight	299g
Gross Weight	329g
Packing	Corrugated Box

STANDARD USED FOR TESTING

EMC Emission	CISPR32
Electrostatic Discharge	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Power Frequency Magnetic Field	IEC 61000-4-8
Voltage Dips & Interruption	IEC 61000-4-11
Safety	IEC/EN62368-1

INPUT SPECIFICATIONS

Rated Input Current (Vi nom)	10A
Rated Input Voltage	12 VDC / 24VDC
DC Input Voltage Range	10.2 to 30VDC
No. of inputs	2

OUTPUT SPECIFICATIONS

Output Voltage	12/24 VDC
Output Current	10A
Efficiency	97%
Output Voltage Drop: Vin - Vout	0.7 V

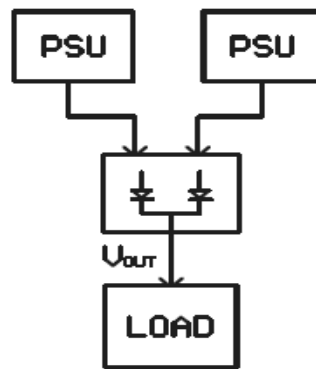
CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Internal surge voltage protection: IEC61000-4-5	Yes

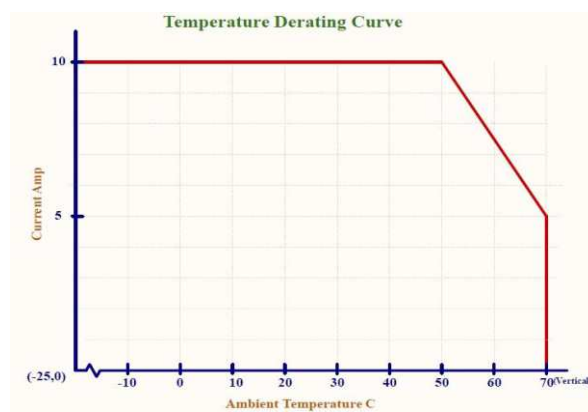
CONNECTION DETAILS

Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75 C

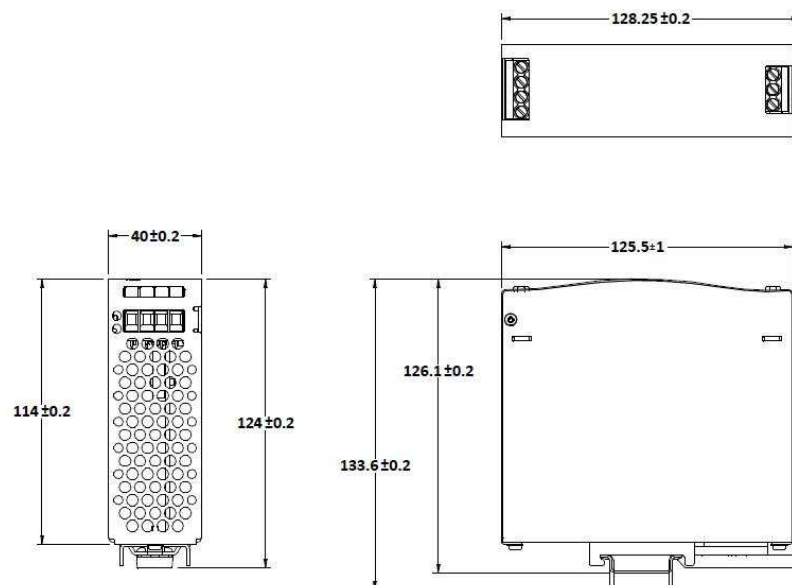
BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS



REDUNDANCY MODULE - 20A

- 20 A Redundant Module Din Rail Mountable
- 100% decoupling of power supply units connected in parallel
- Suitable for Redundant operation of 12/24V System
- DIN Rail Mounting
- Reverse polarity Protection
- LED indicator for input line



CE RoHS

GENERAL SPECIFICATION

Isolation Voltage -AC (IP/OP-FG)	500VAC
Isolation Voltage -AC (IP/OP-Relay)	500VAC
Isolation Voltage -AC (Relay-FG)	500VAC
Isolation Resistance	> 100Mohm
Ambient Temperature Range (Operational at Vi norm)	-25°C to +70 °C (Refer to Temperature Derating Curve)
Ambient Temperature Range (Storage)	-40°C to +85 °C & 10 - 95% RH
Relative Humidity Range	20 ~ 95% RH Non-condensing
Cooling	Free Air Convection
Pollution Degree	2

ORDERING INFORMATION

Cat. No.	CDR20
Output Voltage	12/24 VDC
Output Current	20A
Output Wattage	480 W
Input Voltage Range	10.2 - 30 VDC
Standard Packing Qty	1

PHYSICAL SPECIFICATION

Dimensions	40 x 125.5 x 124 (W x H x D)
Case Material	Metal
Base	Aluminium
Cover	Metal
Net Weight	310g
Gross Weight	340g
Packing	Corrugated Box

STANDARD USED FOR TESTING

EMC Emission	CISPR32
Electrostatic Discharge	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Power Frequency Magnetic Field	IEC 61000-4-8
Voltage Dips & Interruption	IEC 61000-4-11
Safety	IEC/EN62368-1

INPUT SPECIFICATIONS

Rated Input Current (Vi nom)	20A
Rated Input Voltage	12 VDC / 24VDC
DC Input Voltage Range	10.2 to 30VDC
No. of inputs	2

OUTPUT SPECIFICATIONS

Output Voltage	12/24 VDC
Output Current	20A
Efficiency	97%
Output Voltage Drop: Vin - Vout	0.7 V

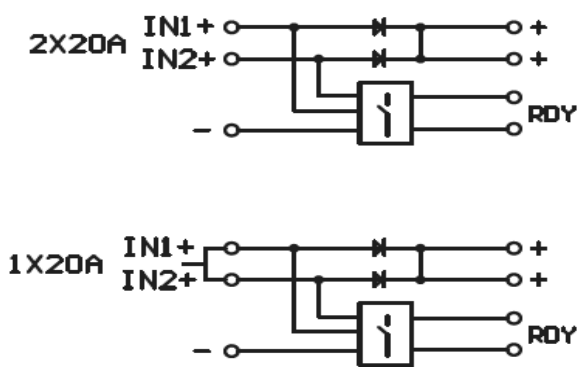
CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Internal surge voltage protection: IEC61000-4-5	Yes

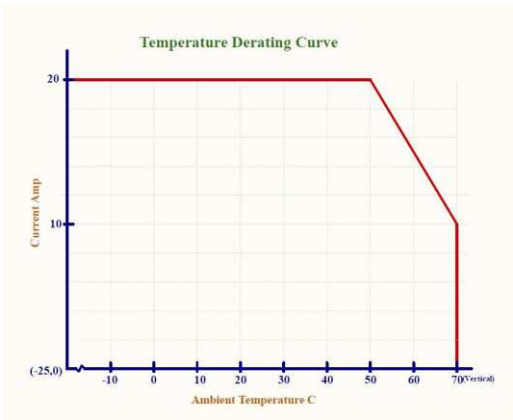
CONNECTION DETAILS

Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75 C

BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS

