

## DESCRIPTION

The RCB600 is a modular, user configurable power supplies offering unrivalled performance and flexibility.

Delivering 600 W from a 600 g, 5" x 3" x 1U package, the RCB600 is the smallest commercially available configurable power solution.

Each system consists of an input module together with up to four isolated output modules.

The series feature a control fan speed circuitry, to minimize operation noise and enhance lifetime.

The series carry full UL60950 safety approvals and comply with EN61000-3, EN61000-4 and EN55022 class B EMC standards.



**2 Year Warranty**

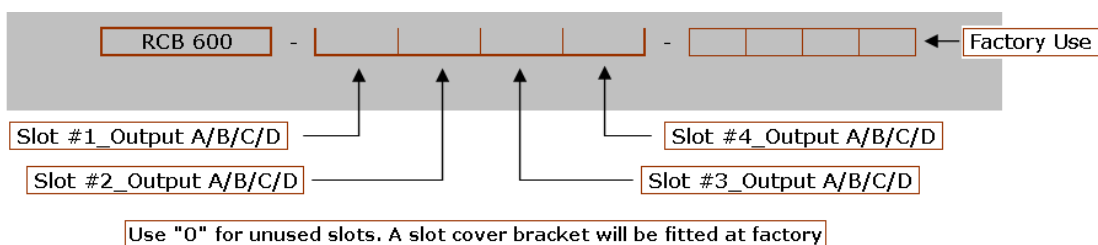
## KEY FEATURES

- Universal input voltage
- Active power factor correction
- High power density (25 W/in<sup>3</sup>)
- 600 W output in 5"x3"x1U footprint
- Field configurable
- Medical safety approved
- High reliability, high efficiency
- Controlled fan speed rotation
- Parallel operation
- Accurate wired current share
- Current output signal
- N+1 redundant (external diodes)
- Global 5 V, 200 mA bias supply
- RoHS-6 compliant
- Remote voltage programming
- Remote current programming

## MARKET SEGMENTS AND APPLICATIONS

- Industrial Electronics & Computers
- Test and Measurement Equipment
- Automation and Drives
- Broadcast & Entertainment
- Printing
- Industrial & Process Controls
- Medical Applications
- Telecommunications

## MODELS AND ORDERING INFORMATION



The factory might issue a 4 digit code for a specific configuration which can be used for next and future orders of the same configuration  
When ordering an input unit with no output inserted, simply order "RCB600"

Output Module	Nominal Voltage	Rated Current	Voltage Adjustment	Load Regulation	Line Regulation	OVP	Output Power
<b>A</b>	5 V	25.0 A	1.5 to 7.5 V	±50 mV	±0.1 %V <sub>NOM</sub>	9.5 V	125 W
<b>B</b>	12 V	15.0 A	4.5 to 15 V	±100 mV	±0.1 %V <sub>NOM</sub>	18 V	150 W
<b>C</b>	24 V	7.5 A	9 to 30 V	±150 mV	±0.1 %V <sub>NOM</sub>	36 V	150 W
<b>D</b>	48 V	3.75 A	18 to 58 V	±300 mV	±0.1 %V <sub>NOM</sub>	66 V	150 W
<b>0 (zero)</b>				Unused slots			

## INPUT SPECIFICATIONS

Parameter	Details	Min	Typ	Max	Units
AC input voltage	Nominal range is 100 to 240 V <sub>RMS</sub>	85		264	V <sub>RMS</sub>
AC input frequency		47	50/60	63	Hz
DC input voltage		120		370	V <sub>DC</sub>
Power rating	Derate by 0.83%/V <sub>RMS</sub> below 120 V <sub>RMS</sub> (600 W at 120 V <sub>RMS</sub> , 450 W at 90 V <sub>RMS</sub> )			600	W
Input current	At 600 W output and 120 V <sub>RMS</sub> input			6	A
Inrush current	265 V <sub>RMS</sub> , cold start			20	A
Fusing	5x20 fast acting fuse			8	A
Input current limit	Maintains power factor		8		A
Efficiency	Configuration dependent		86	89	%
Idle power	All outputs fitted and enabled		28		W
	All outputs fitted and disabled		21		
Power factor	Typical value at 300 W output at 240 V <sub>RMS</sub>		0.96	0.99	
Hold up	600 W output at 120 V <sub>RMS</sub> input	17	20	21	ms
UVLO	Turn on only	78		84	V <sub>RMS</sub>
Over temperature	Internally monitored. Latching	115		125	°C
Reliability	At 40 °C, 80% load			2	FPMH

## SIGNALS

Parameter	Details	Min	Typ	Max	Units
Bias voltage		4.8	5	5.2	V
Bias current		0		200	mA
Power Good Voltage	PNP open collector with internal 10 K $\Omega$ pull down resistor	8	10	15	V
Power Good Current		0		20	mA
Inhibit voltage		2		15	V
Inhibit current	10 K $\Omega$ input impedance	0.2		1.5	mA
Global inhibit voltage		3		15	V
Global inhibit current	5 K $\Omega$ input impedance	0.6		3	mA
AC_OK voltage		1		4	V
AC_OK current		-10		20	mA
AC_OK warning	See user manual for exceptions	5			ms

## SAFETY

Parameter	Details	Min	Max	Units
Isolation voltage	Input to Output		4000	V <sub>RMS</sub>
	Input to Chassis		1500	V <sub>RMS</sub>
	Output to Chassis		250	V <sub>DC</sub>
	Output to Output		250	V <sub>DC</sub>
Isolation clearance	Primary to Secondary (Reinforced)	7		mm
	Primary to Chassis (Basic)	2.5		mm
Isolation creepage	Primary to Secondary (Reinforced)	12		mm
	Primary to Chassis (Basic)	4		mm
Leakage current	265 V <sub>AC</sub> , 63 Hz, 25 °C		1500	$\mu$ A
Agency Approvals	cUR <sub>US</sub> , Demko, CB Certificate			
Standards	IEC/EN 60950-1; UL 60950-1 ; CAN/CSA-C22.2 No. 950.1; CE Mark: Low Voltage Directive 2006/95/EC.			
Agency File Numbers	UL: E134098-A35-CB-1 CB certificate: DK-21001 Demko certificate: 152969-02			

**ENVIRONMENTAL**

Parameter	Details	Min	Max	Units
<b>Storage</b>				
Temperature		-40	+85	°C
Humidity	Relative, non condensing	5	95	%
Altitude		-200	5000	m
Air pressure		54	106	kPa
<b>Operating</b>				
Temperature	Full power	-20	50	°C
	Derate by 2.5%/°C above 50 °C	50	70	°C
Humidity	Relative, non condensing	5	95	%
Altitude		-200	4600	m
Air pressure		57	106	KPa
Noise level	Variable. Measured at 1 m from fan intake	35	60	dB(A)
Shock	3000 bumps at 10 g (16 ms) half sine wave			
Vibration	1.5 g, 10 to 200 Hz sine wave, 20 g for 15 min in 3 axes random vibration			
<b>Installation</b>				
Equipment class	I			
Installation	Category II			
Pollution Degree	2			
Material Group	IIIb (Indoor use only)			
Flammability Rating	94V-2			
IP Rating	IP10			
RoHS Compliance	2002/95/EC			

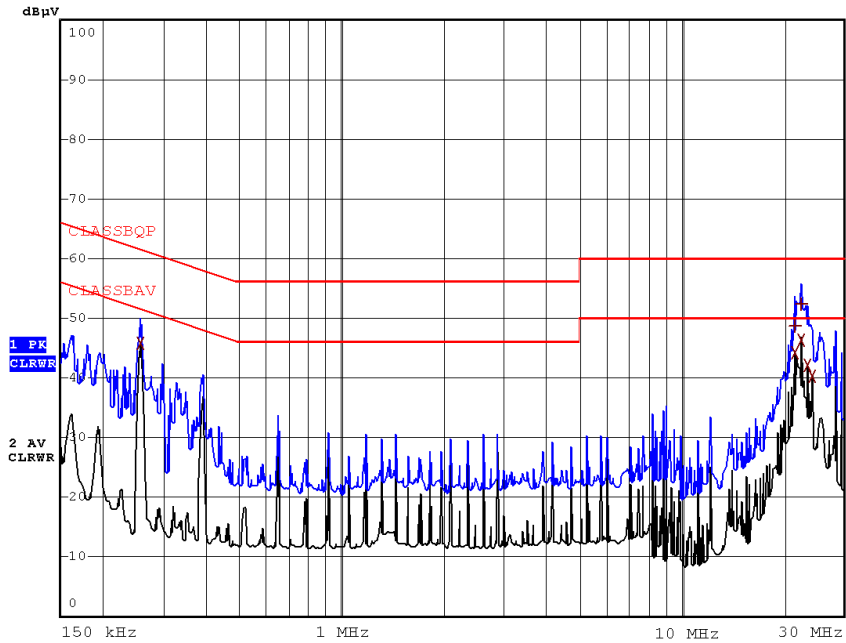
**ELECTROMAGNETIC COMPATIBILITY EMC**

Parameter	Standard	Level
<b>Emissions</b>		
Radiated electric field	EN55011, EN55022, FCC	B
Conducted emissions	EN55011, EN55022, FCC	B
Harmonic distortion	EN61000-3-2	Compliant
Flicker and fluctuation	EN61000-3-3	Compliant
<b>Immunity</b>		
Electrostatic discharge	EN61000-4-2 (15 kV air, 8 kV contact)	4
Radiated RFI	EN61000-4-3 (10 V/m)	3
Fast transient, burst	EN61000-4-4 (4 kV)	4
Input line surges	EN61000-4-5 (1 kV L-N, 2 kV L-E)	3
Conducted RFI	EN61000-4-6 (10 V)	4
Power freq. Magnetic field	EN61000-4-8 (10 A/m)	3
Voltage dips	EN61000-4-11 (EN55024)	Compliant

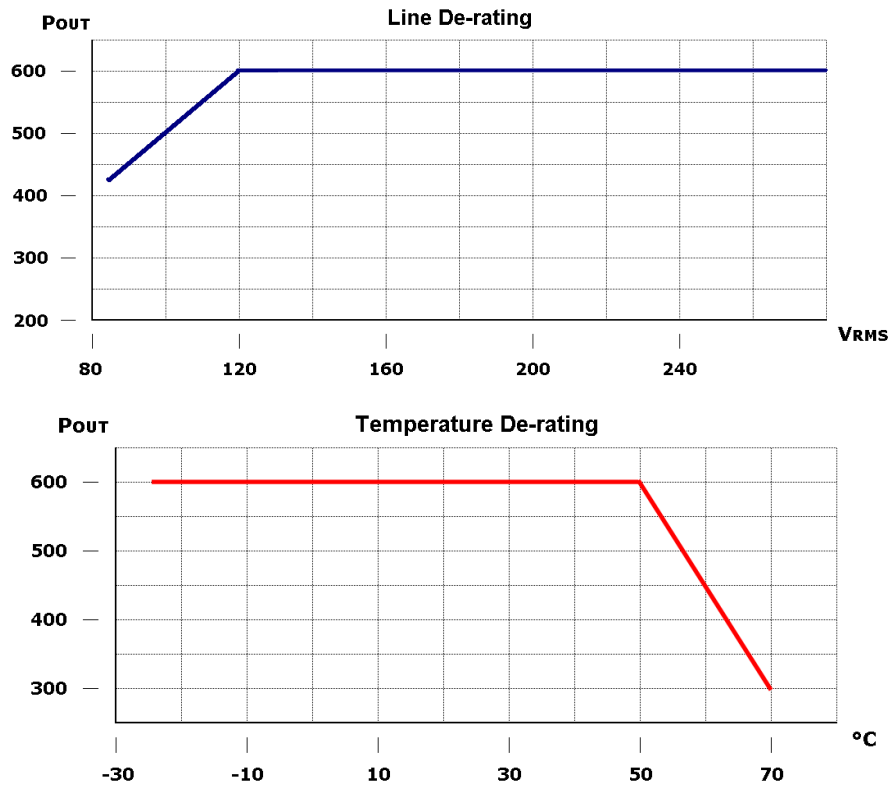
**RELIABILITY**

Component	Details	Max	Units
Fan	Mag. Lev. Standard	2.7	FPMH
Input	Excluding Fan	2	FPMH
Output	See output specifications	1	FPMH
Warranty		2	Years

**TYPICAL CONDUCTED EMISSIONS**

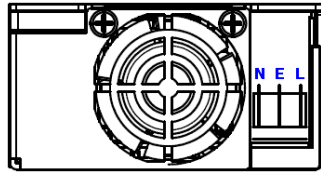


**TEMPERATURE AND LINE DE-RATING**

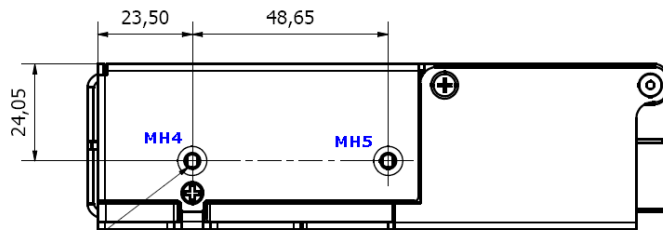
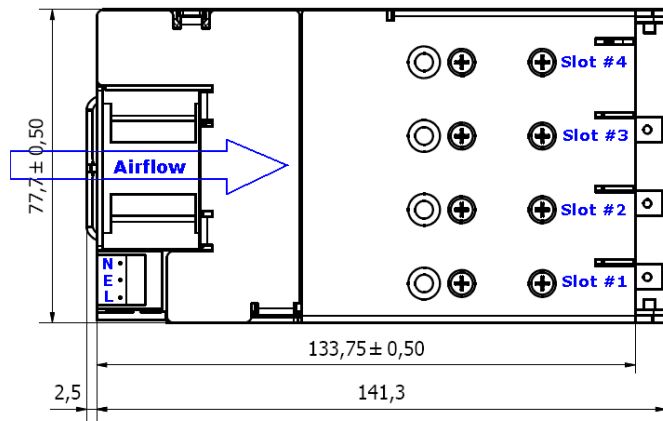
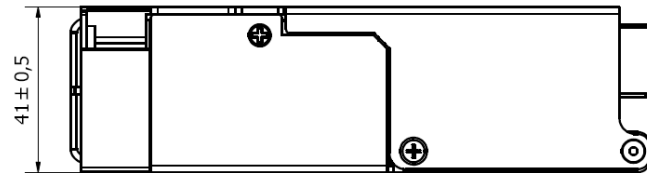


**MECHANICAL SPECIFICATIONS – OUTLINE DRAWING AND DIMENSIONS**

Specification	Details	Nominal	Units
Dimensions	Height is 1U	77.7 x 136.25 x 41.0	mm
		3.06 x 5.36 x 1.61	in
Weight	Chassis + input	360	g
	Output modules	60	g
	Chassis + input	0.794	lb
	Output modules	0.132	lb
Mounting	Bottom or side mounting through M4 screws	M4	

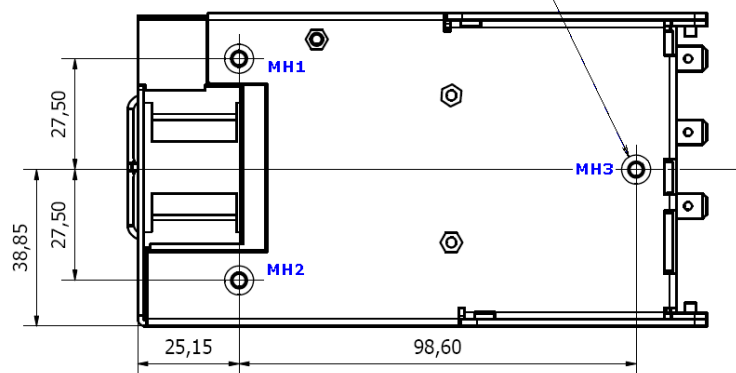


N - Neutral  
E - Earth  
L - Live



M4 (2x) ∇ 4 mm (max)

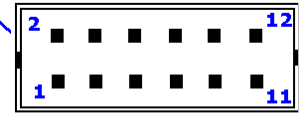
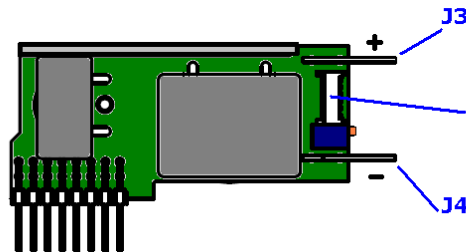
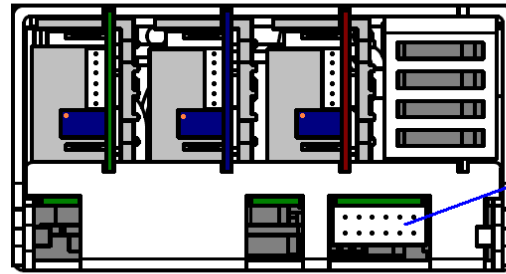
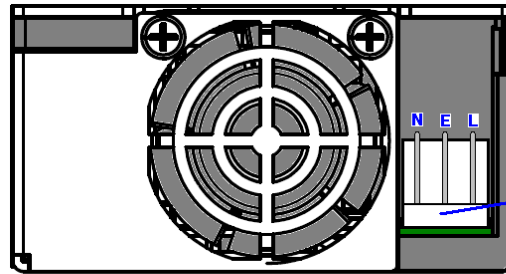
M4 (3x) ∇ 4 mm (max)



SCREWS	
<b>MH1, MH2, MH3, MH4, MH5</b>	
Screw type	M4
Tightening torque	Tighten to 1.5 Nm
Penetration depth	4.00 mm max, including chassis
<b>OUTPUT MODULES X 8</b>	
Screw type	M3X5, C/Sink, Pozidriv, Stainless steel
Tightening torque	Tighten to 0.75 Nm
Penetration depth	Defined by screw
<b>CHASSIS X 2</b>	
Screw type	M3X5, C/Sink, Pozidriv, Stainless steel
Tightening torque	Tighten to 0.75 Nm
Penetration depth	Defined by screw
<b>CHASSIS X 2</b>	
Screw type	M2.5X4, C/Sink, Pozidriv, Stainless steel
Tightening torque	Tighten to 0.45 Nm
Penetration depth	Defined by screw
<b>FAN X 2</b>	
Screw type	M3X30, C/Sink, Pozidriv, Stainless steel
Tightening torque	Tighten to 0.70 Nm
Penetration depth	Defined by screw

Mechanical Specifications – Connectors and Pin Assignment

PIN ASSIGNMENT	
Circuit	Details
<b>J1</b>	
1	Neutral
2	Earth
3	Live
<b>J2</b>	
1	Power Good Slot #1
2	Inhibit Slot #1
3	Power Good Slot #2
4	Inhibit Slot #2
5	Power Good Slot #3
6	Inhibit Slot #3
7	Power Good Slot #4
8	Inhibit Slot #4
9	Global Inhibit
10	AC OK
11	+5V 200mA, Bias Supply
12	COM
<b>J5</b>	
1	-Sense
2	+Sense
3	Voltage Control
4	Current Control Current Sharing Current Monitor
5	COM
6	+5V 10mA, Bias Supply
<b>J3</b>	
Positive Output	
<b>J4</b>	
Negative Output	



COUNTERPART CONNECTORS

Reference	Details	Manufacturer	Housing PN	Terminal PN
AC Mains Input <b>J1</b>	<ul style="list-style-type: none"> <li>5.08 mm (0.200 in), 3 circuits housing, with friction lock, or, any direct equivalent.</li> <li>Crimp terminal, 18-24 AWG, tin finish, or, any direct equivalent.</li> </ul>	Molex	0010013036	0008701031
Power Unit Signal <b>J2</b>	<ul style="list-style-type: none"> <li>2.00 mm (0.079 in) 12 circuits housing with locking ramp, or, any direct equivalent.</li> <li>Crimp terminal 24-30 AWG, gold finish, or, any direct equivalent.</li> </ul>	Molex	0511101260	0503948051
Output Power <b>J3/J4</b>	<ul style="list-style-type: none"> <li>Quick Disconnect Receptacle compatible with PCB mounting TAB, size 0.80X6.35 mm. Tin finish.</li> </ul>	Vogt AG Tyco Electronics	NA	3967 640907-1
Output Signal <b>J5</b>	<ul style="list-style-type: none"> <li>1.25 mm (0.049 in), 6 circuits housing,</li> <li>Crimp terminal 28-32 AWG, tin finish, or, any direct equivalent</li> </ul>	Molex	0510210600	050058800

Notes:

- Output power terminal and wire current rating must exceed maximum short circuit output current.  
E.g. OP-A: 25\*1.25 = 31.25 A.
- Direct equivalents may be used for any connectors parts
- All cables must be rated 105°C min, equivalent to UL1015.

**OUTPUT SPECIFICATIONS – MODULE A (OP-A)**

Parameter	Test conditions / Notes	Min	Nominal	Max	Units
<b>Output voltage range</b>		1.5	5	7.5	V
<b>Rated current</b>				25	A
<b>Average output power</b>				125	W
<b>Peak output power</b>	<5 s, 50% duty cycle			187.5	W
<b>Initial voltage accuracy</b>	Factory set units, Measured at sense terminals	-0.5		0.5	% V <sub>SET</sub>
<b>Output voltage adjustment</b>	Manual: 11-turns potentiometer		0.545		V/turn
<b>Load regulation</b>	Measured at sense terminals	-50		50	mV
<b>Line regulation</b>	Measured at sense terminals	-0.1		0.1	%V <sub>NOM</sub>
<b>Cross regulation</b>	Measured at sense terminals	-0.2		0.2	%V <sub>NOM</sub>
<b>Minimum load</b>			0		A
<b>Output temperature drift</b>		-0.02		0.02	%/°C
<b>Ripple and Noise</b>	20 MHz bandwidth, peak-peak 25% to 75% load transient, at 1A/μs, recovery to within 10% of V <sub>SET</sub>			1	%V <sub>NOM</sub>
<b>Transient response</b>				1	V
				100	μs
<b>Turn on rise time</b>	Monotonic, 10% to 90%	1.5		3.5	ms
<b>Turn on overshoot</b>				0.1	%V <sub>SET</sub>
<b>Turn on delay</b>	From AC on to Power Good From Enable to Power Good		600 15	750 20	ms ms
<b>Current sharing accuracy</b>				5	%I <sub>MAX</sub>
<b>Open sense offset</b>	Open sense, voltage offset due to bias currents			2	%V <sub>NOM</sub>
<b>Hold-up voltage</b>				6	V
<b>Isolation to ground</b>	Each terminal			250	V
<b>Over current protection</b>	% of rated current	105		125	%I <sub>RATED</sub>
<b>Reverse current protection</b>	% of rated current	-6		0	%I <sub>RATED</sub>
<b>Short circuit protection (Hiccup mode)</b>	Period Duty cycle Voltage threshold (at sense)		125 3 1		ms % V
<b>Over voltage protection</b>	Latching		9.5		V
<b>Over temperature protection</b>	Internally monitored, latching	115		125	°C
<b>Sense cable protection</b>	On positive terminal On negative terminal	-1 none		2 1	V
<b>Power good threshold</b>	Low threshold only		90		%V <sub>SET</sub>
<b>Output current signal</b>	$I_{SGN} = 0.6 + I_{OUT}/(I_{RTD} * 1.25)$	0		110	%I <sub>RATED</sub>
<b>Current limit control</b>	$I_{LMT} = (V_{CTRL} - 0.6) * I_{RTD} * 1.25$	0		110	%I <sub>RATED</sub>
<b>Remote voltage control</b>	$V_{OUT} = V_{SET} * ((1.8 - V_{CTRL}) / 0.6)$	0		300	%V <sub>SET</sub>
<b>Bias supply</b>	10 mA max	4.5	5	5.2	V
<b>Reliability</b>	At 40 °C, 80% load			1	FPMH
<b>Warranty</b>				2	Years
<b>Wire size</b>	Power cables	12	10		AWG
<b>Weight</b>				60	g
<b>Size</b>	60 mm x 35 mm x 17 mm, or, 2.36 in x 1.38 in x 0.67 in				



**OUTPUT SPECIFICATIONS – MODULE B (OP-B)**

Parameter	Test conditions / Notes	Min	Nominal	Max	Units
<b>Output voltage range</b>		4.5	12	15	V
<b>Rated current</b>				15	A
<b>Average output power</b>				150	W
<b>Peak output power</b>	<5 s, 50% duty cycle			225	W
<b>Initial voltage accuracy</b>	Factory set units, Measured at sense terminals	-0.5		0.5	% V <sub>SET</sub>
<b>Output voltage adjustment</b>	Manual: 11-turns potentiometer		0.954		V/turn
<b>Load regulation</b>	Measured at sense terminals	-100		100	mV
<b>Line regulation</b>	Measured at sense terminals	-0.1		0.1	%V <sub>NOM</sub>
<b>Cross regulation</b>	Measured at sense terminals	-0.2		0.2	%V <sub>NOM</sub>
<b>Minimum load</b>			0		A
<b>Output temperature drift</b>		-0.02		0.02	%/°C
<b>Ripple and Noise</b>	20 MHz bandwidth, peak-peak 25% to 75% load transient, at 0.5A/μs; recovery to within 10%			1	%V <sub>NOM</sub>
<b>Transient response</b>				1.5	V
<b>Turn on rise time</b>	Monotonic, 10% to 90%	1.5		3.5	ms
<b>Turn on overshoot</b>				0.1	%V <sub>SET</sub>
<b>Turn on delay</b>	From AC on to Power Good From Enable to Power Good		600 15	750 20	ms ms
<b>Current sharing accuracy</b>				5	%I <sub>MAX</sub>
<b>Open sense offset</b>	Open sense, voltage offset due to bias currents			2	%V <sub>NOM</sub>
<b>Hold-up voltage</b>				12.5	V
<b>Isolation to ground</b>	Each terminal			250	V
<b>Over current protection</b>	% of rated current	105		125	%I <sub>RATED</sub>
<b>Reverse current protection</b>	% of rated current	-6		0	%I <sub>RATED</sub>
<b>Short circuit protection (Hiccup mode)</b>	Period Duty cycle Voltage threshold (at sense)		125 3 2		ms % V
<b>Over voltage protection</b>	Latching		18		V
<b>Over temperature protection</b>	Internally monitored, latching	115		125	°C
<b>Sense cable protection</b>	On positive terminal On negative terminal	-1 none		2 1	V
<b>Power good threshold</b>	Low threshold only		90		%V <sub>NOM</sub>
<b>Output current signal</b>	$I_{SGN} = 0.6 + I_{OUT}/(I_{RTD} * 1.25)$	0		110	%I <sub>RATED</sub>
<b>Current limit control</b>	$I_{LMT} = (V_{CTRL} - 0.6) * I_{RTD} * 1.25$	0		110	%I <sub>RATED</sub>
<b>Remote voltage control</b>	$V_{OUT} = V_{SET} * ((1.8 - V_{CTRL}) / 0.6)$	0		300	%V <sub>SET</sub>
<b>Bias supply</b>	10 mA maximum	4.5	5	5.2	V
<b>Reliability</b>	At 40 °C, 80% load			1	FPMH
<b>Warranty</b>				2	Years
<b>Wire size</b>	Power cables	16	14	10	AWG
<b>Weight</b>				60	g
<b>Size</b>	60 mm x 35 mm x 17 mm, or, 2.36 in x 1.38 in x 0.67 in				



**OUTPUT SPECIFICATIONS – MODULE C (OP-C)**

Parameter	Test conditions / Notes	Min	Nominal	Max	Units
<b>Output voltage range</b>		9	24	30	V
<b>Rated current</b>				7.5	A
<b>Average output power</b>				150	W
<b>Peak output power</b>	<5 s, 50% duty cycle			225	W
<b>Initial voltage accuracy</b>	Factory set units, Measured at sense terminals	-0.5		0.5	% V <sub>SET</sub>
<b>Output voltage adjustment</b>	Manual: 11-turns potentiometer		1.9		V/turn
<b>Load regulation</b>	Measured at sense terminals	-150		150	mV
<b>Line regulation</b>	Measured at sense terminals	-0.1		0.1	%V <sub>NOM</sub>
<b>Cross regulation</b>	Measured at sense terminals	-0.2		0.2	%V <sub>NOM</sub>
<b>Minimum load</b>			0		A
<b>Output temperature drift</b>		-0.02		0.02	%/°C
<b>Ripple and Noise</b>	20 MHz bandwidth, peak-peak 25% to 75% load transient, at 0.25A/μs; recovery to within 10% of V <sub>SET</sub>			1 3	%V <sub>NOM</sub> V
<b>Transient response</b>				100	μs
<b>Turn on rise time</b>	Monotonic, 10% to 90%	1.5		3.5	ms
<b>Turn on overshoot</b>				0.1	%V <sub>SET</sub>
<b>Turn on delay</b>	From AC on to Power Good From Enable to Power Good		600 15	750 20	ms ms
<b>Current sharing accuracy</b>				5	%I <sub>MAX</sub>
<b>Open sense offset</b>	Open sense, voltage offset due to bias currents			2	%V <sub>NOM</sub>
<b>Hold-up voltage</b>				25	V
<b>Isolation to ground</b>	Each terminal			250	V
<b>Over current protection</b>	% of rated current	105		125	%I <sub>RATED</sub>
<b>Reverse current protection</b>	% of rated current	-6		0	%I <sub>RATED</sub>
<b>Short circuit protection (Hiccup mode)</b>	Period Duty cycle Voltage threshold (at sense)		125 3 3.5		ms % V
<b>Over voltage protection</b>	Latching		36		V
<b>Over temperature protection</b>	Internally monitored, latching	115		125	°C
<b>Sense cable protection</b>	On positive terminal On negative terminal	-1 none		2 1	V
<b>Power good threshold</b>	Low threshold only		90		%V <sub>SET</sub>
<b>Output current signal</b>	I <sub>SGN</sub> = 0.6 + I <sub>OUT</sub> / (I <sub>RTD</sub> * 1.25)	0		110	%I <sub>RATED</sub>
<b>Current limit control</b>	I <sub>LMT</sub> = (V <sub>CTRL</sub> - 0.6) * I <sub>RTD</sub> * 1.25	0		110	%I <sub>RATED</sub>
<b>Remote voltage control</b>	V <sub>OUT</sub> = V <sub>SET</sub> * ((1.8 - V <sub>CTRL</sub> ) / 0.6)	0		300	%V <sub>SET</sub>
<b>Bias supply</b>	10 mA max	4.5	5	5.2	V
<b>Reliability</b>	At 40 °C, 80% load			1	FPMH
<b>Warranty</b>				2	Years
<b>Wire size</b>	Power cables	20	18	10	AWG
<b>Weight</b>				60	g
<b>Size</b>	60 mm x 35 mm x 17 mm, or, 2.36 in x 1.38 in x 0.67 in				

## OUTPUT SPECIFICATIONS – MODULE D (OP-D)

Parameter	Test conditions / Notes	Min	Nominal	Max	Units
<b>Output voltage range</b>		18	48	58	
<b>Rated current</b>				3.75	A
<b>Average output power</b>				150	W
<b>Peak output power</b>	Less than 5 s, 50% duty cycle			225	W
<b>Initial voltage accuracy</b>	Factory set units, Measured at sense terminals	-0.5		0.5	% V <sub>SET</sub>
<b>Output voltage adjustment</b>	Manual: 11-turns potentiometer		3.6		V/turn
<b>Load regulation</b>	Measured at sense terminals	-300		300	mV
<b>Line regulation</b>	Measured at sense terminals	-0.1		0.1	%V <sub>NOM</sub>
<b>Cross regulation</b>	Measured at sense terminals	-0.2		0.2	%V <sub>NOM</sub>
<b>Minimum load</b>			0		A
<b>Output temperature drift</b>		-0.02		0.02	%/°C
<b>Ripple and Noise</b>	20 MHz bandwidth, peak-peak 25% to 75% load transient, at 0.25A/μs; recovery to within 10% of V <sub>SET</sub>			1 3	%V <sub>NOM</sub> V
<b>Transient response</b>				100	μs
<b>Turn on rise time</b>	Monotonic, 10% to 90%	1.5		3.5	ms
<b>Turn on overshoot</b>				0.1	%V <sub>SET</sub>
<b>Turn on delay</b>	From AC on to Power Good From Enable to Power Good		600 15	750 20	ms ms
<b>Current sharing accuracy</b>				5	%I <sub>MAX</sub>
<b>Open sense offset</b>	Open sense, voltage offset due to bias currents			2	%V <sub>NOM</sub>
<b>Hold-up voltage</b>				50	V
<b>Isolation to ground</b>	Each terminal			250	V
<b>Over current protection</b>	% of rated current	105		125	%I <sub>RATED</sub>
<b>Reverse current protection</b>	% of rated current	-6		0	%I <sub>RATED</sub>
<b>Short circuit protection (Hiccup mode)</b>	Period Duty cycle Voltage threshold (at sense)		125 3 3.5		ms % V
<b>Over voltage protection</b>	Latching		66		V
<b>Over temperature protection</b>	Internally monitored, latching	115		125	°C
<b>Sense cable protection</b>	On positive terminal On negative terminal	-3 none		3 2	V
<b>Power good threshold</b>	Low threshold only		90		%V <sub>SET</sub>
<b>Output current signal</b>	I <sub>SGN</sub> = 0.6 + I <sub>OUT</sub> / (I <sub>RTD</sub> * 1.25)	0		110	%I <sub>RATED</sub>
<b>Current limit control</b>	I <sub>LMT</sub> = (V <sub>CTRL</sub> - 0.6) * I <sub>RTD</sub> * 1.25	0		110	%I <sub>RATED</sub>
<b>Remote voltage control</b>	V <sub>OUT</sub> = V <sub>SET</sub> * ((1.8 - V <sub>CTRL</sub> ) / 0.6)	0		300	%V <sub>SET</sub>
<b>Bias supply</b>	10 mA max	4.5	5	5.2	V
<b>Reliability</b>	At 40 °C, 80% load			1	FPMH
<b>Warranty</b>				2	Years
<b>Wire size</b>	Power cables	20	18	10	AWG
<b>Weight</b>				60	g
<b>Size</b>	60 mm x 35 mm x 17 mm, or, 2.36 in x 1.38 in x 0.67 in				

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### Eu and RoW

ROAL Electronics S.p.A.  
Via Jesina 56/A  
60022 – Castelfidardo (AN) - Italy  
Tel: +39 071 721461  
Fax: +39 071 72146 480

[www.roallivingenergy.com](http://www.roallivingenergy.com)

### North America

ROAL Electronics USA, Inc.  
701, Main St. Suite 405  
Stroudsburg, PA18360  
Phone: +1 570 421 5750  
Fax: +1 570 421 5687  
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