



Medical

## 1000W to 1500W Single Output Medical Power Supplies



Features	Benefits
• Enclosed Compact Construction	• Easy Installation
• Medical Certifications	• Easier System Compliance
• 7 Year Warranty	• Lower Cost of Ownership

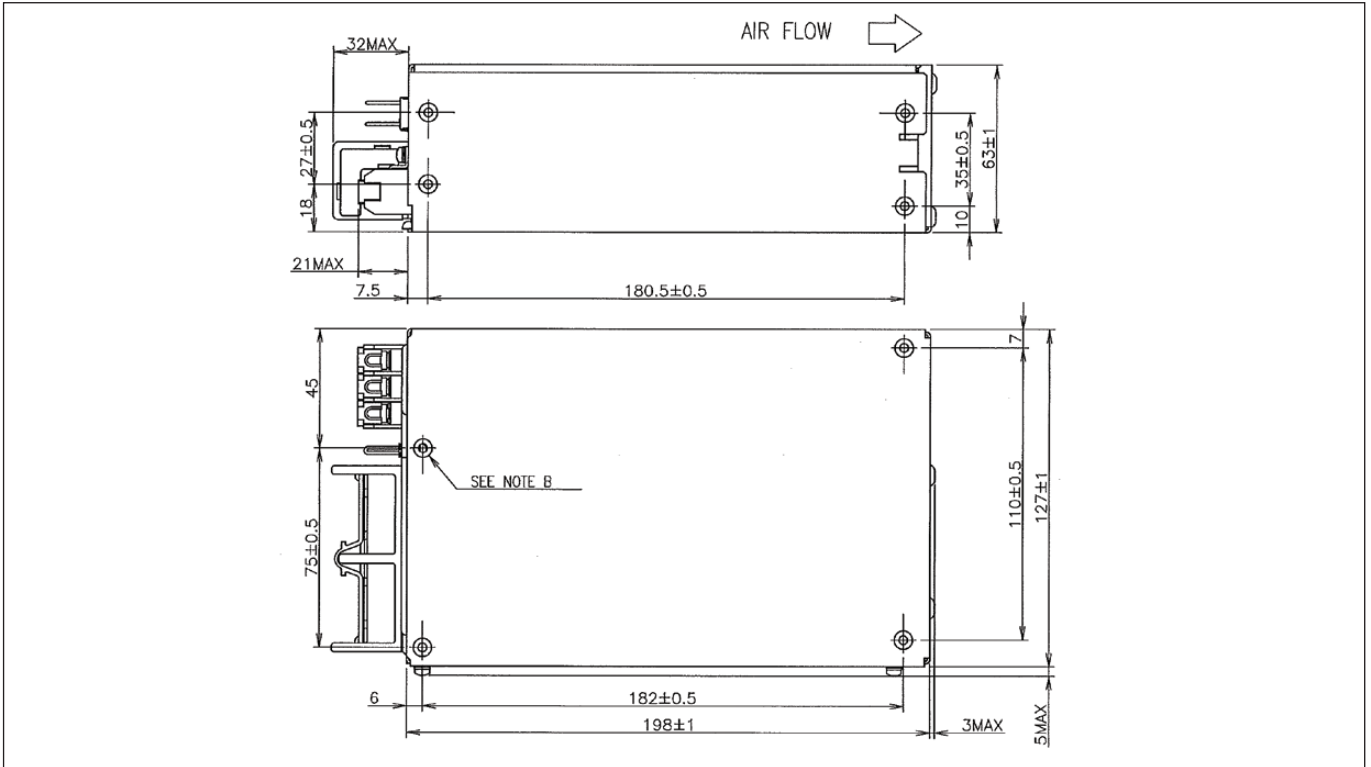
Specification			
Model		RWS1000B/ME	RWS1500B/ME
AC Input Voltage range (1)	VAC	85 - 265VAC (47 - 63Hz)	
DC Input Voltage range*	VDC	120 - 340VDC*	
Inrush Current (100 / 200VAC)	A	60 / 60A	
Power Factor (100 / 200VAC)	-	Meets EN61000-3-2 (0.98 / 0.95)	
Input Current (100/200VAC) (Typ)	A	13 / 7A	19 / 10A
Temperature Coefficient	%/°C	<0.02%/°C	
Regulation	-	See Model Selector	
Overcurrent Protection	-	>105%, Constant Current Style. After 5s unit will shutdown	
Overvoltage Protection	V	120-145% (115-125% for 48V), Cycle AC line to reset	
Hold Up Time (Typ at 100% load)	ms	20ms	
Leakage Current (max)	mA	<0.3mA	
Remote Sense	-	Yes	
Remote On/Off	-	See options table. Apply external voltage to enable output	
DC Good, Fan Alarm	-	See options table	
Parallel Operation	-	See options table	
Series Operation	-	Yes	
Operating Temperature	°C	-20 to +60°C, derate linearly to 60% load from 50 to 60°C	
Storage Temperature	°C	-30 to +75°C	
Operating Humidity (non condensing)	%RH	20 - 90%RH	
Storage Humidity (non condensing)	%RH	10 - 90%RH	
Cooling	-	Internal Fan, air intake from input/output terminals	
Withstand Voltage	VAC	Input to Ground 2kVAC (1xMoPP), Input to Output 4kVAC (2xMoPP), Output to Ground 1.5kVAC (1xMoPP) for 1 min	
Isolation Resistance	MΩ	>100MΩ at 25°C & 70%RH, Output to Ground 500VDC	
Vibration (non operating)		10 - 55Hz: 19.6m/s <sup>2</sup> (sweep 1 min) X, Y, Z for 1 hour	
Shock	-	< 196.1 m/s <sup>2</sup>	
Safety Agency Certifications	-	ES60601-1, CSA60601, EN60601-1, CE Mark	
Line Dips	-	SEMI-F47 (200VAC input)	
Conducted & Radiated EMI	-	EN55011 / EN55032-A, FCC Class A, VCCI-A	
Immunity	-	IEC61000-4-2, -3, -4, -5, -6, -8, -11, IEC61000-6-2, EN60601-1-2	
Weight (Typ)	g	2,000g	3,000g
Size (WxHxD)	mm	127 x 63 x 198mm	127 x 63 x 261mm
MTBF - Telcordia SR-332 issue 3**	hours	1,834,313	1,222,361
Warranty	yrs	7	

**Notes:** \*Safety certified for AC input only    \*\*24V output model, 25°C ambient, full load, 230VAC input  
 (1) Derate linearly to 80% load from 90 to 85VAC input

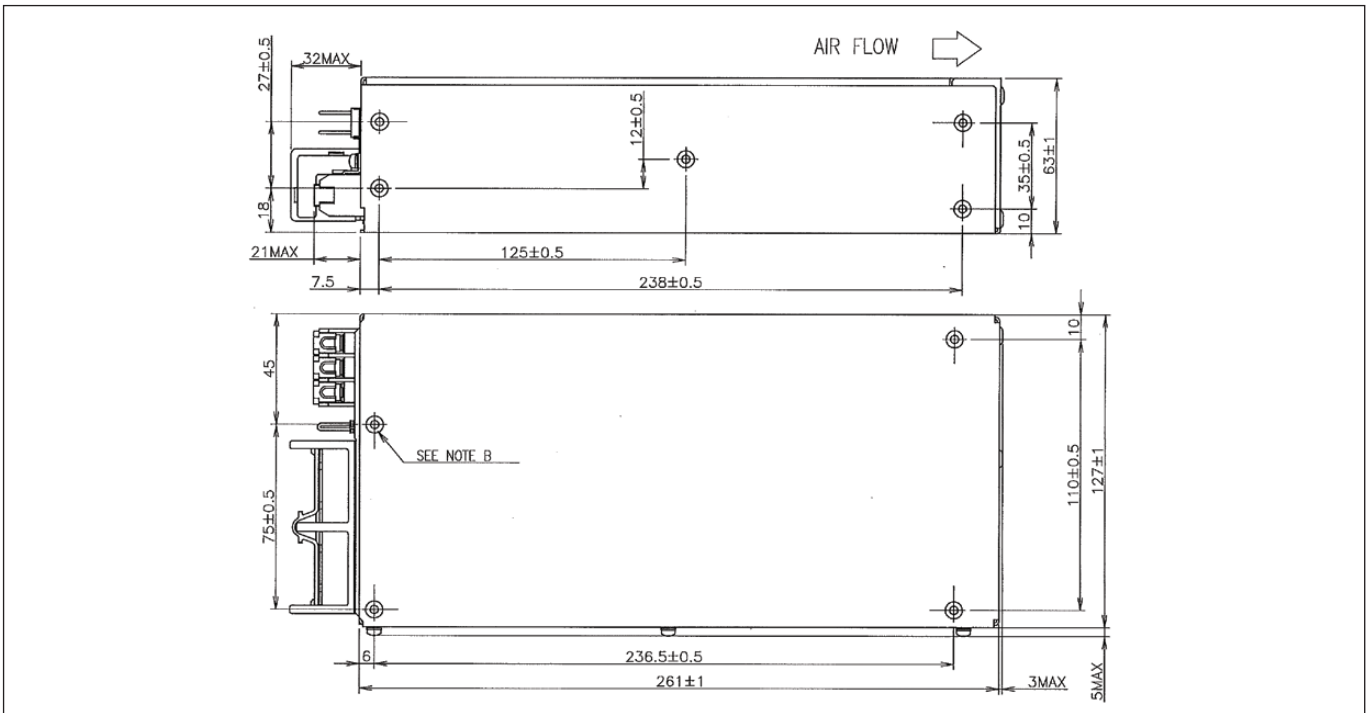
Model Selector								
Model	Voltage	Adjust Range (V)	Max Current (A)	Max Output Power (w)	Load Reg (mV)	Line Reg (mV)	Ripple Noise (mV)	Efficiency (typ) % 115/230VAC
RWS1000B-12/ME	12V	10.2-13.8V	84	1008	96	48	150	82 / 85
RWS1500B-12/ME	12V	10.2-13.8V	125	1500	96	48	150	81 / 85
RWS1000B-15/ME	15V	12.8-17.2V	67	1005	120	60	150	82 / 85
RWS1500B-15/ME	15V	12.8-17.2V	100	1500	120	60	150	82 / 85
RWS1000B-24/ME	24V	20.4-27.6V	42	1008	144	96	180	85 / 88
RWS1500B-24/ME	24V	20.4-27.6V	63	1512	144	96	180	85 / 88
RWS1000B-36/ME	36V	30.6-41.4	28	1008	216	144	250	85 / 88
RWS1500B-36/ME	36V	30.6-41.4	42	1512	216	144	250	85 / 88
RWS1000B-48/ME	48V	40.8-52.8	21	1008	288	192	300	85 / 88
RWS1500B-48/ME	48V	40.8-52.8	32	1536	288	192	300	85 / 88

Options (Contact Sales for availability)	
Suffix	Description
<b>CO2</b>	Double Sided Board Coating
<b>FO</b>	Parallel Operation, DC Good and Fan Alarm Signals
<b>R</b>	Remote On/Off
<b>RF</b>	Reverse Fan (Air exits over input/output terminals)
<b>RFO</b>	Remote On/Off, Parallel Operation, DC Good and Fan Alarm Signals

## RWS 1000B/ME Outline Drawing



## RWS 1500B/ME Outline Drawing





## TDK-Lambda France SAS

3 Avenue du Canada  
Parc Technopolis  
Bâtiment Sigma  
91940 les Ulis  
France  
Tel: +33 1 60 12 71 65  
Fax: +33 1 60 12 71 66  
france@fr.tdk-lambda.com  
www.fr.tdk-lambda.com



## Italy Sales Office

Via dei Lavoratori 128/130  
20092 Cinisello Balsamo (MI)  
Italy  
Tel: +39 02 61 29 38 63  
Fax: +39 02 61 29 09 00  
info.italia@it.tdk-lambda.com  
www.it.tdk-lambda.com



## Netherlands

info@nl.tdk-lambda.com  
www.nl.tdk-lambda.com



## TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40  
77855 Achem  
Germany  
Tel: +49 7841 666 0  
Fax: +49 7841 5000  
info.germany@de.tdk-lambda.com  
www.de.tdk-lambda.com



## Austria Sales Office

Aredstrasse 22  
2544 Leobersdorf  
Austria  
Tel: +43 2256 655 84  
Fax: +43 2256 645 12  
info@at.tdk-lambda.com  
www.de.tdk-lambda.com



## Switzerland Sales Office

Bahnhofstrasse 50  
8305 Dietlikon  
Switzerland  
Tel: +41 44 850 53 53  
Fax: +41 44 850 53 50  
info@ch.tdk-lambda.com  
www.de.tdk-lambda.com



## Nordic Sales Office

Haderslevvej 36B  
DK-6000 Kolding  
Denmark  
Tel: +45 2911 9556  
info@dk.tdk-lambda.com



## TDK-Lambda UK Ltd.

Kingsley Avenue  
Ilfracombe  
Devon EX34 8ES  
United Kingdom  
Tel: +44 (0) 12 71 85 66 66  
Fax: +44 (0) 12 71 86 48 94  
powersolutions@uk.tdk-lambda.com  
www.uk.tdk-lambda.com



## TDK-Lambda Ltd.

Kibbutz  
Givat Hashlosha 48800  
Israel  
Tel: +9 723 902 4333  
Fax: +9 723 902 4777  
info@tdk-lambda.co.il  
www.tdk-lambda.co.il



## C.I.S.

**Commercial Support:**  
Tel: +7 (495) 665 2627  
**Technical Support:**  
Tel: +7 (812) 658 0463  
info@tdk-lambda.ru  
www.tdk-lambda.ru

## Local Distribution

