

# TDK-Lambda RWS1000/1500-B/ME Series

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

### Features

- ◆ Cost Effective
- ◆ Wide Range AC Input 85 - 265VAC
- ◆ Enclosed Construction
- ◆ Compact Sizes
- ◆ 7 Year Warranty



### Key Market Segments & Applications



Medical



RoHS

Specifications			
Model		RWS1000B/ME	RWS1500B/ME
AAC 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 voltage	
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
	In	5 x 2.48 x 7.8"	5 x 2.48 x 10.28"
MTBF - Telcordia SR-332 issue 3**	hours	1,834,313	1,222,361
Warranty	ys	Seven Years	

\*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

