

### Specifications (measured @ Ta= 25°C, rated input, rated load unless otherwise stated)

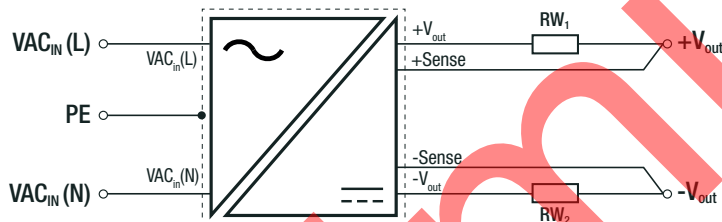
#### ADDITIONAL FEATURES

Parameter	Condition		Min.	Typ.	Max.
VSB Output Power	CTRL ON	115VAC/230VAC			5W
	CTRL OFF	230VAC 115VAC			5W 1W
Output Voltage Adjustability <sup>(7)</sup>	on-board potentiometer				±2VDC
ON/OFF CTRL	CON3, Pin3 (refer to <b>"VSB &amp; CTRL (CON3)"</b> )	main + FAN output ON main + FAN output OFF		2.4VDC - 5VDC or open 0VDC - 0.8VDC or shorted to GND	
Fan Output Power	@ +50°C (not protected)	continuous peak (1s)		250mA	500mA
Remote Sense <sup>(8)</sup>					2VDC
Power OK LED		LED = green LED = red			working failure

#### Notes:

- Note7: By trimming up, decrease output current to avoid exceeding rated output power. By trimming down, do not exceed maximum continuous output current  
 Note8: The output voltage can be adjusted by both ADJ (potentiometer) and Sense. The maximum combined adjustment range is ±2VDC

#### REMOTE SENSE



RW<sub>1</sub> ... wire losses +  
 RW<sub>2</sub> ... wire losses -

#### PROTECTIONS (Fan output not protected)

Parameter	Type		Value
Input Fuse <sup>(9)</sup>	internal		2x T6.3A, slow blow type
Over Voltage Category (OVC)			OVCII
Class of Equipment			Class I
Isolation Voltage (safety certified) <sup>(10)</sup>	I/P to O/P	1 minute	4kVAC
Isolation Resistance			10MΩ min.
Insulation Grade			reinforced
Leakage Current			0.25mA max.
Means of Protection	250VAC working voltage		2MOPP

#### Notes:

- Note9: Refer to local safety regulations if input over-current protection is also required. Recommended fuse: slow blow type  
 Note10: For repeat Hi-Pot testing, reduce the time and/or the test voltage

#### PROTECTIONS MAIN OUTPUT

Short Circuit Protection (SCP)	below 100mΩ	P <sub>in</sub> =10W max.	hiccup mode, auto recovery
Over Voltage Protection (OVP)			110% - 120%, hiccup mode
Over Current Protection (OCP)			105% - 135%, hiccup mode
Over Temperature Protection (OTP)			auto recovery, internal temperature sensors

#### PROTECTIONS AUX (VSB)

Short Circuit Protection (SCP)	below 100mΩ		hiccup mode, auto recovery
Over Voltage Protection (OVP)			8-9VDC, hiccup mode
Over Current Protection (OCP)			2.5-3.5A, hiccup mode

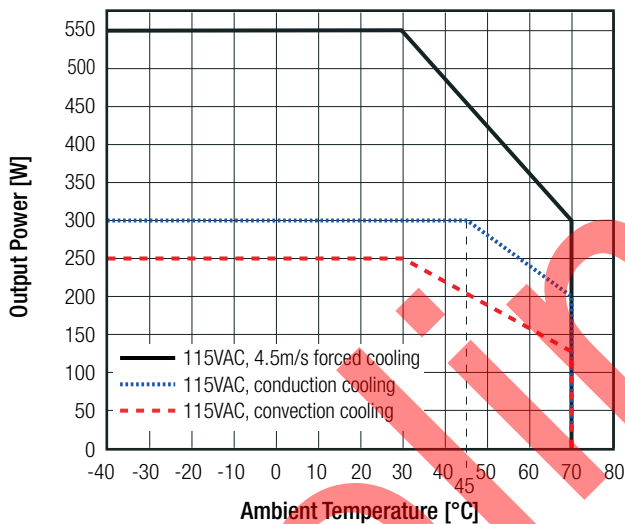
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ENVIRONMENTAL		
Parameter	Condition	Value
Operating Temperature Range	refer to derating graphs	-40°C to +70°C
Temperature Coefficient		±0.02%/K
Operating Altitude <sup>(11)</sup>		5000m
Operating Humidity	non-condensing	20% - 90% RH max.
Pollution Degree		PD2
Shock		250m/s <sup>2</sup> , 6ms; 3 times, each along x, y, z axes
Vibration		90-200Hz, 10m/s <sup>2</sup> ; 3.5min./1cycle, 5 periods, each along x, y, z axes
MTBF	according to MIL-217F Method 2	+25°C (forced air cooling)
	Components Stress Method	+45°C (forced air cooling)
		200 x 10 <sup>3</sup> hours
		50 x 10 <sup>3</sup> hours

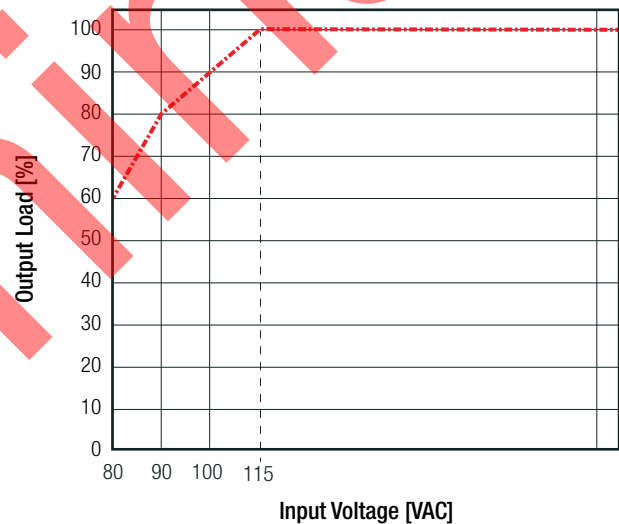
**Notes:**

Note11: Recognized by safety agency for safe operation up to 5000m. High altitude operation may impact the performance and lifetime. Please contact RECOM tech support for advice.

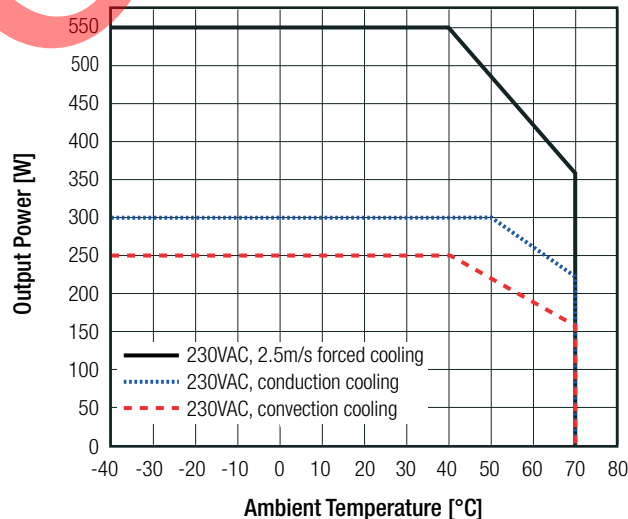
**Thermal Derating 115VAC**



**Line Derating (<115VAC)**



**Thermal Derating 230VAC**



<0.1m/s = still air  
0.1 - 0.2m/s = natural convection

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