

- Industrial & Medical Approvals
- Universal AC Input / Full Range
- Low Leakage Current <200µA
- Protections: Short Circuit / Overload / Over Voltage
- 75 Watt Rating With Convection Cooling \*  
Up to 100 Watt Rating With Forced Air Cooling
- UL60601-1/EN60601-1 Medical Safety Approved
- Full Approvals UL/CUL/TUV/CB/CE
- 3 Year Warranty



### Specification

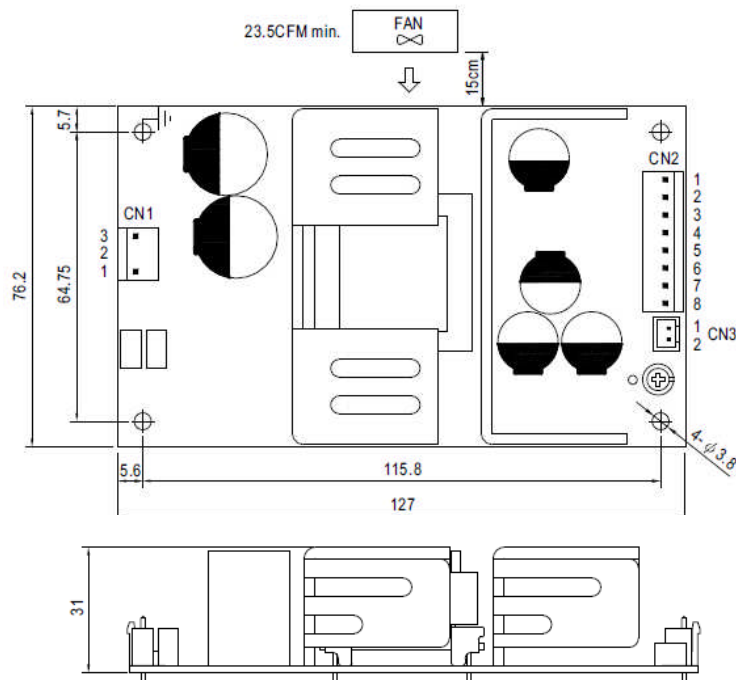
Universal AC Input.....	90~264 VAC, 47~63 Hz / 127~370 VDC
Output Voltage.....	See table below, (plus adjustment range).
Over Load Protection.....	140~180% rated output power, hiccup mode (automatic recovery when fault is removed)
Over Voltage Protection.....	Level dependant on rated output voltage
Inrush current.....	Cold start: 50 A / 230 VAC, 25A / 115 VAC
Set Up, Rise Time.....	500 ms, 30 ms @ 230 VAC / 115 VAC
Hold Up Time.....	80 ms / 230 VAC, 20 ms / 115 VAC at full load
Isolation Voltage.....	I/P-O/P: 4 kVAC, I/P-FG: 1.5 kVAC, O/P-FG: 1.5 kVAC
Switching Frequency.....	65 kHz (fixed)
Operating Temperature.....	-20 to +70 °C, refer to derating curve above 50 °C
Storage Temperature.....	-40 to +85 °C (10~95% RH)
Vibration.....	10-500 Hz 2G 10min/1 cycle period for 60 min along X, Y, Z axes
Safety Standard.....	UL60601-1, TUV EN60601-1, IEC60601-1 EMC Standard EN55011(CISPR11) EN55022 Class B (CISPR22), EN61000-4-2, 3, 4, 5, 6, 8, 11 EN61000-3-2, 3, ENV50204, EN55024, EN60601-1-2 EN61204-3 Medical level criteria A.
Dimensions.....	127(L) x 76.2(W) x 31(H) mm
Connections, Input & Output.....	Plug In 3.96 pitch JST VH type
MTBF.....	446.8khrs (single), 569.9khrs (dual), 521.1khrs (triple) (MIL-HDBK-217F) @ 25 °C

### Models and Ratings

Model	Output 1	Output 2	Output 3	Ripple/Noise	Max Power
RPS-75-3.3	3.3V / 20 A			80 mV	66 Watts
RPS-75-5	5V / 18.7 A			80 mV	94 Watts
RPS-75-12	12V / 8.3 A			120 mV	99.6 Watts
RPS-75-15	15V / 6.7 A			150 mV	100 Watts
RPS-75-24	24V / 4.2 A			240 mV	100 Watts
RPS-75-36	36V / 2.8 A			300 mV	100 Watts
RPS-75-48	48V / 2.1 A			300 mV	100 Watts
RPD-75A	5V / 1.0~9.5 A	12V / 0.3~4.0 A		80/120 mV	95.5 Watts
RPD-75B	5V / 1.0~6.8 A	24V / 0.2 ~ 2.7 A		80/200 mV	98.9 Watts
RPT-75A	5V / 0.6~8.0 A	12V / 0.2~4.0 A	-5V / 0.1~1.0 A	80/120/120 mV	93 Watts
RPT-75B	5V / 0.6~8.0 A	12V / 0.2~4.0 A	-12V / 0.1~1.0 A	80/120/120 mV	100 Watts
RPT-75C	5V / 0.6~8.0 A	15V / 0.1~3.0 A	-15V / 0.1~1.0 A	80/150/150 mV	100 Watts
RPT-75D	5V / 0.6~7.0 A	24V / 0.1~2.0 A	12V / 0.1~1.0 A	80/200/120 mV	95 Watts
RPT-7503	3.3V / 0.7~7.0 A	5V / 0.0~8.0 A	12V / 0.0~1.5 A	80/120/120 mV	81 Watts

\* - Maximum power ratings above are with 23.5CFM of forced air cooling.

## Mechanical Details



## Pinout

Input Connector CN1	
Pin	Function
1	AC Neutral
2	No pin
3	AC Live

Remote Sense CN3	
Pin	Function
1	+ Sense
2	- Sense

On Single Output Units Only

Output Connector CN2			
Pin	Function		
	Single O/P	Dual O/P	Triple O/P
1	+ V	+ V1	+ V1
2	+ V	+ V1	+ V1
3	+ V	Common	Common
4	+ V	Common	Common
5	- V	Common	Common
6	- V	+ V2	+ V2
7	- V	+ V2	+ V2
8	- V		+ V3

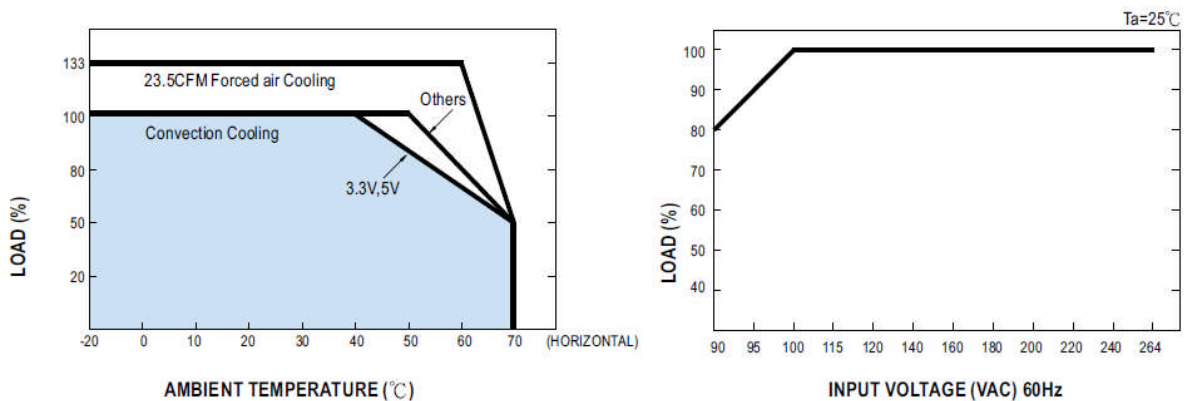
Input connector CN1 mates with JST VHR housing or equivalent

Output connector CN2 mates with JST VHR housing or equivalent

Remote sense connector CN3 mates with JST XHP housing or equivalent (on single output units only)

CN1 & CN2 mating terminals: JST SVH-21T-P1.1. CN3 mating terminal: JST SXH-001T-P0.6

## Derating Curves (100% Load relates to 75 Watts maximum convection cooled rating)



Specifications can change without notice, E&OE. ALL PSU Terms & Conditions apply.

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