General

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Efficiency		94		%	230 VAC Full load (see fig. 1 to 2)
Isolation: Input to Output	4000			VAC	2 MOPP
Input to Ground	1500			VAC	1 MOPP
Output to Ground	1500			VAC	1 MOPP
Patient Leakage Current		50	80	µA	At 264 VAC, 60 Hz
Switching Frequency	37		130	kHz	PFC
	50		80	kHz	Main converter
Power Density			12.2/8.1	W/in³	Forced/convection-cooled
Mean Time Between Failure		300		kHrs	MIL-HDBK-217F, Notice 2 +25 °C GB
Weight		0.53 (240)		lb(g)	For U channel version

Efficiency Vs Load

Figure 1
UCP180PS12 at 180 W

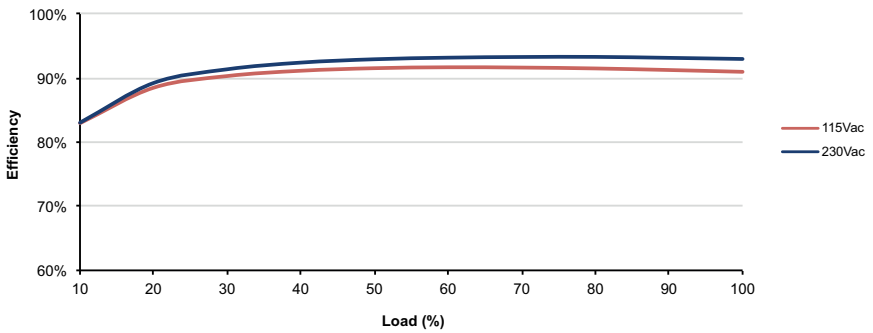
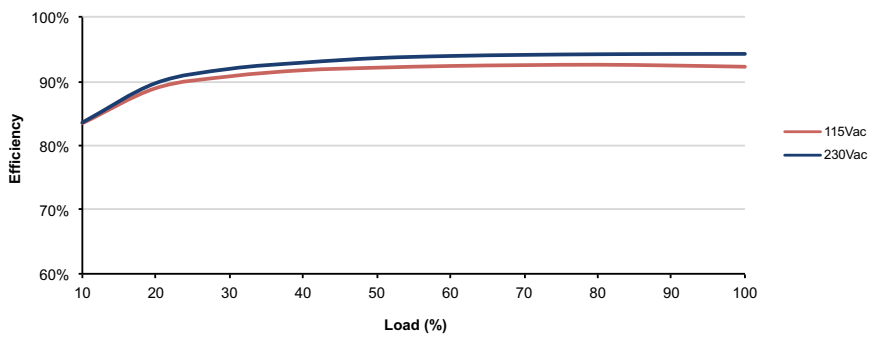


Figure 2
UCP180PS24 at 180 W



Environmental

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Operating Temperature	-40		+70	°C	-40 °C for 120 W load, -20 °C for 180 W load, See derating curve, fig.3 and fig.4
Storage Temperature	-40		+85	°C	
Cooling	10			CFM	Forced-cooled > 120W
Humidity	5		95	%RH	Non-condensing
Operating Altitude			5000/4000	m	ITE/Medical
Shock	±3 x 30g shocks in each plane, total 18 shocks. 30g = 11ms (+/- 0.5msecs), half sine. Conforms to EN60068-2-27				
Vibration	Single axis 10-500 Hz at 2g sweep and endurance at resonance in all 3 planes. Conforms to EN60068-2-6				

Temperature Derating Curves

Figure 3 - 120 W Convection Cooled

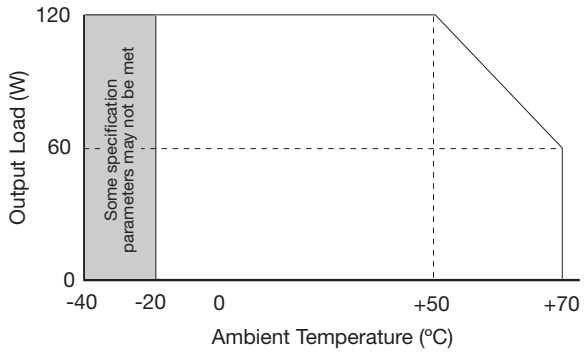


Figure 4 - 180 W Forced Cooled