

### General

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Efficiency		94		%	230 VAC Full load (see fig. 1 to 4)
Isolation: Input to Output Input to Ground Output to Ground	4000			VAC	2 MOPP
	1500			VAC	1 MOPP
	1500			VAC	1 MOPP
Switching Frequency	40		130	kHz	PFC
	50		80	kHz	Main converter
		65		kHz	For optional standby output
Power Density			12.2/8.1	W/in <sup>3</sup>	Forced/convection-cooled
Mean Time Between Failure		300		kHrs	MIL-HDBK-217F, Notice 2 +25 °C GB
Weight		0.71 (320)		lb(g)	For U channel version

### Efficiency Vs Load

Figure 1  
UCP225PS12

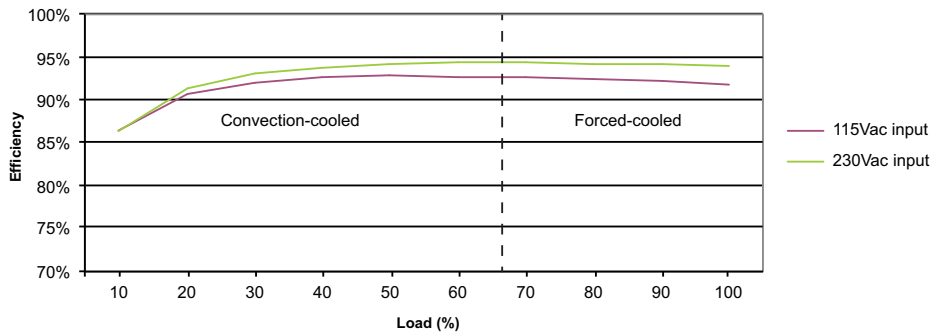
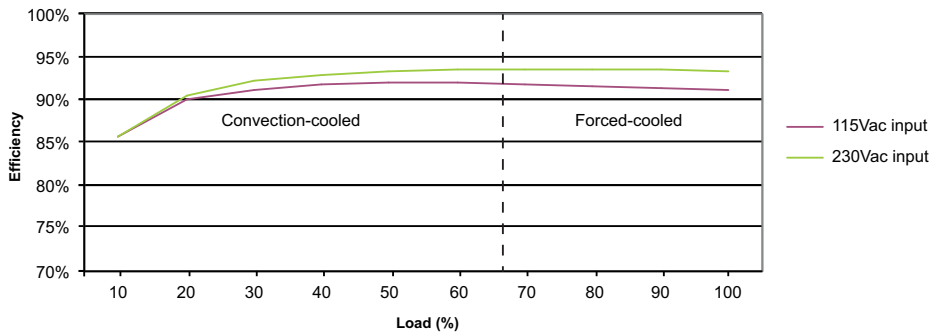


Figure 2  
UCP225PS12-A



### Efficiency Vs Load

Figure 3  
UCP225PS24

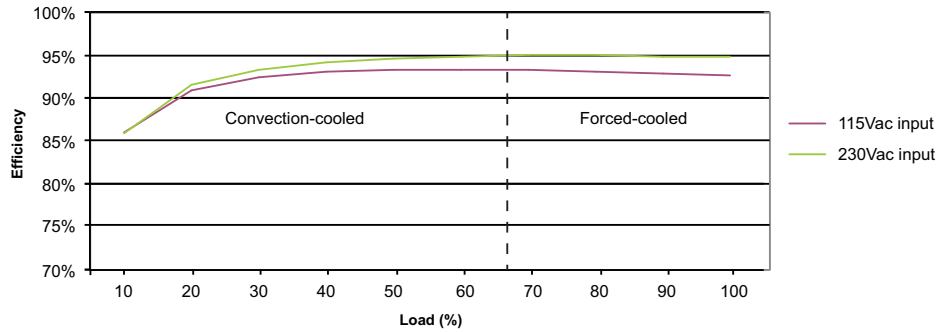
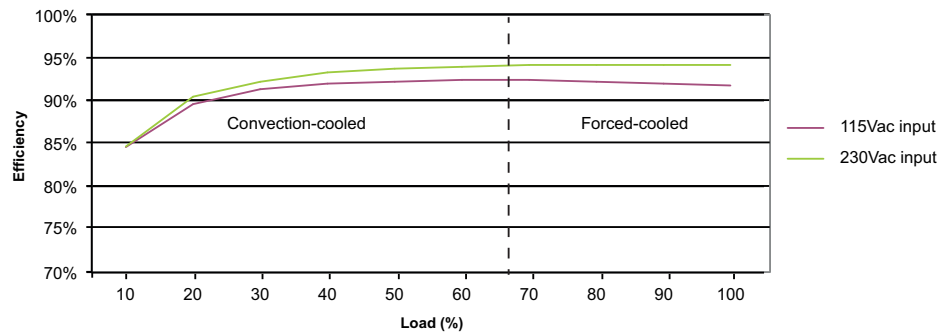


Figure 4  
UCP225PS24-A



### Environmental

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Operating Temperature	-40		+70	°C	-40 °C for 150 W load, -25 °C for 225 W load, See derating curve, fig.5 and fig.6
Storage Temperature	-40		+85	°C	
Cooling	10			CFM	Forced-cooled > 150W
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 5 - 150 W Convection Cooled

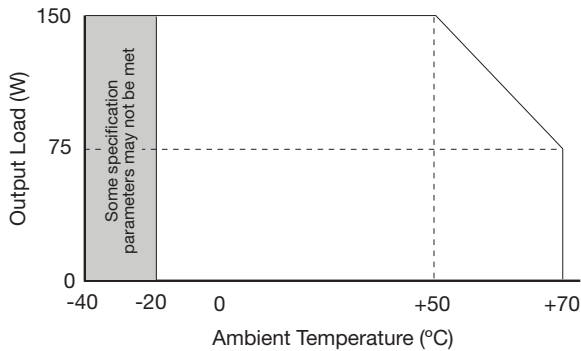


Figure 6 - 225 W Forced Cooled

