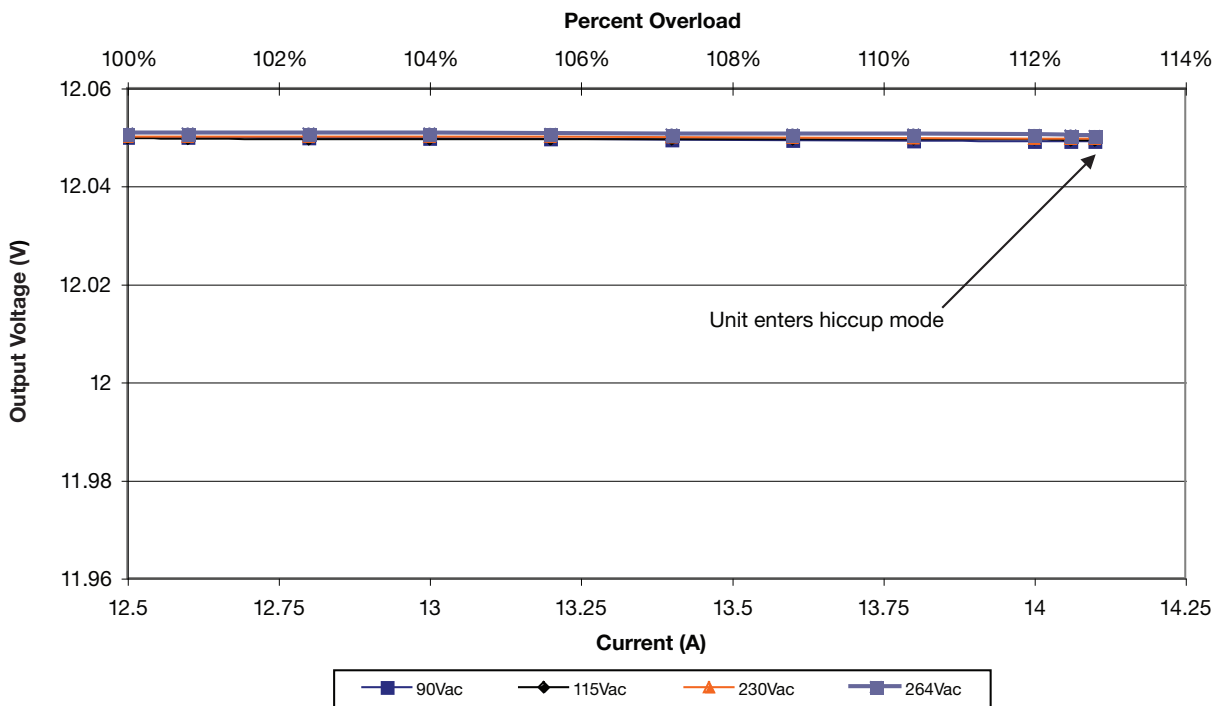


## Output Characteristics

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Output Voltage - V1	12		48	VDC	See Models and Ratings table
Initial Set Accuracy			±100	mV	50% load
Output Voltage Adjustment	±1			V	See Models and Ratings table
Minimum Load	0			A	
Start Up Delay			2	s	
Start Up Rise Time			65	ms	LCL150
			80		LCL300
			35		LCL500
Hold Up Time	10			ms	115 VAC full load
Line Regulation			±0.5	%	LCL150
			±0.3		LCL300 & LCL500
Load Regulation			±1	%	
Transient Response			4	%	Recovery within 1% in less than 500 $\mu$ s for a 50% load change
Ripple & Noise					See Models and Ratings table
Overvoltage Protection	110		140	%	Recycle input to reset
Overload Protection	110		150	%	Rated output power, delayed by 1 s minimum to allow peak loads. See fig 2, 3 & 4
Short Circuit Protection					Auto recovery, hiccup mode
Overtemperature Protection					Output turns off when OTP triggered, measured internally (Q1 temperature), auto recover when internal temperature was reduced.

## Output Overload Characteristics

Figure 2 - LCL150PS12



## Output Overload Characteristics

Figure 3 - LCL300PS24

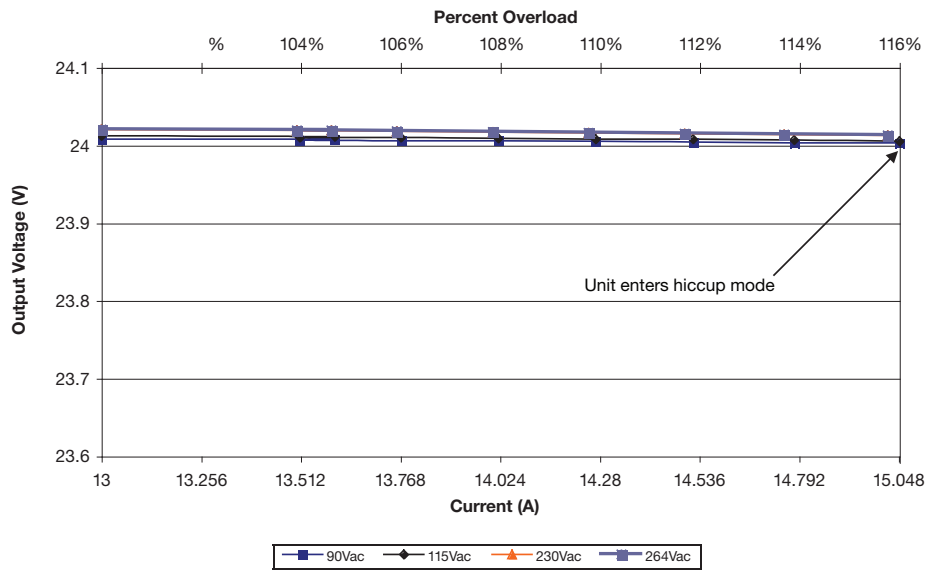
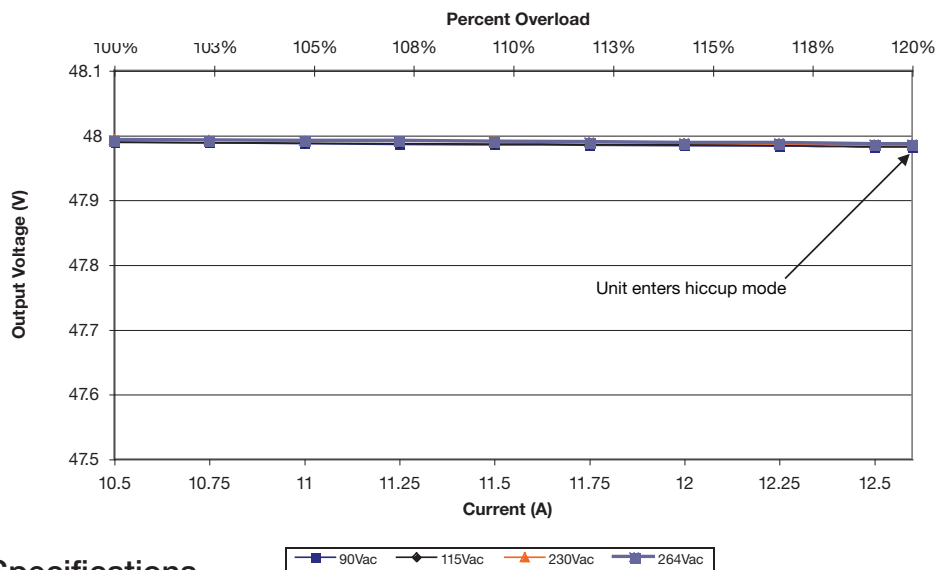


Figure 4 - LCL500PS48



## General Specifications

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions	
Efficiency	85	88		%	230 VAC full load, See fig 5, 6 & 7	
Isolation: Input to Output Input to Ground Output to Ground	3000			VAC		
	1500					
	500					
Switching Frequency	45		190	kHz	PFC Converter	LCL150
	90		110		Main Converter	
	62		65		PFC Converter	LCL300 & LCL500
	80		190		Main converter	
Power Density			2.7	W/in <sup>3</sup>	LCL150	
			4.4		LCL300	
			4.9		LCL500	
MTBF		200		kHrs	MIL-HDBK-217F at 25 °C, GB	
Weight			1.39 (630)	lb (g)	LCL150	
			1.94 (880)	lb (g)	LCL300	
			3.2 (1.45)	lb (kg)	LCL500	
					See mechanical details	