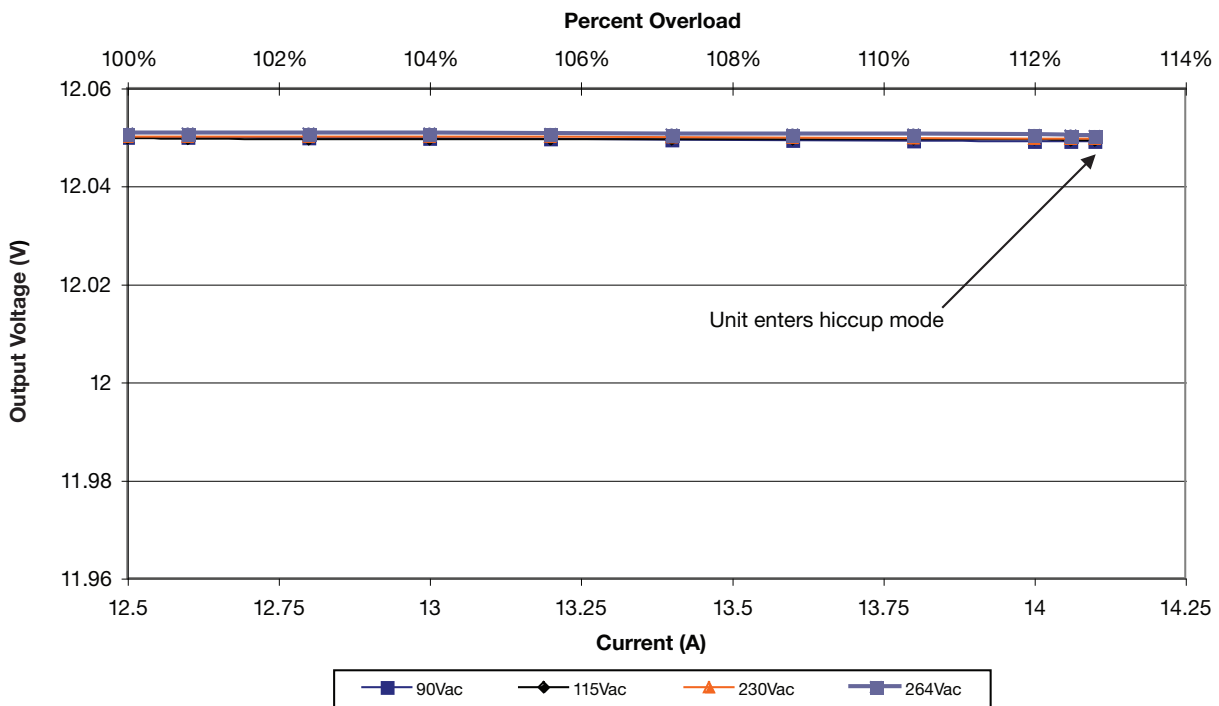


Output Characteristics

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 μ 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

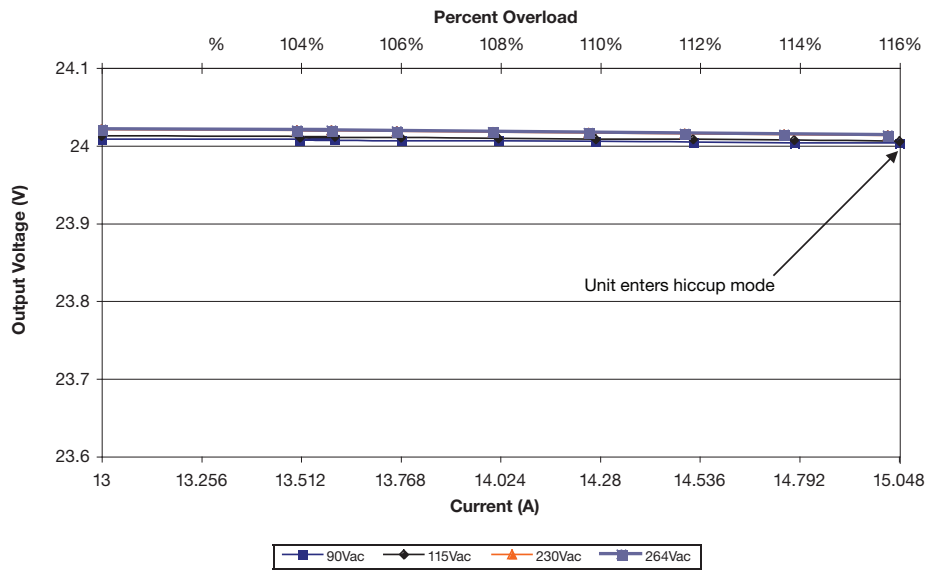
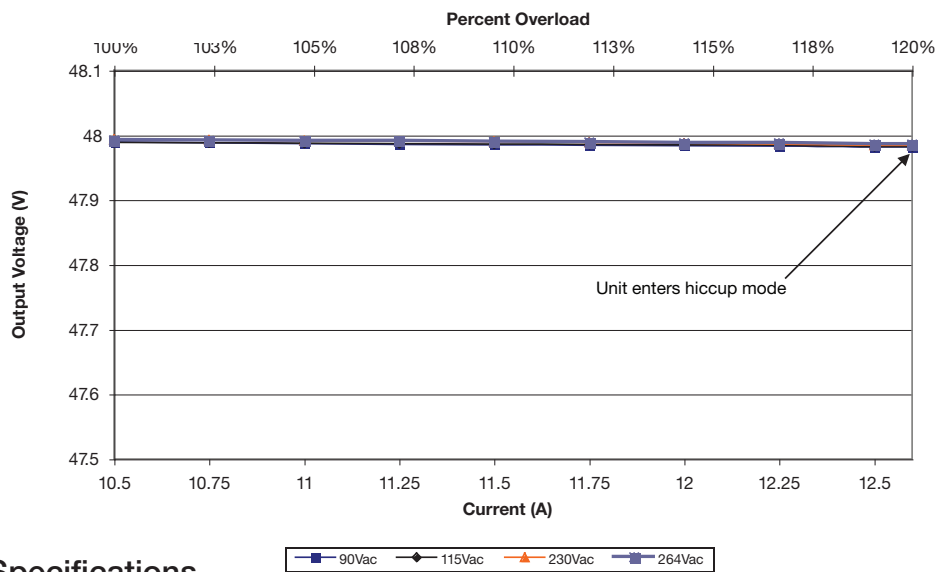


Figure 4 - LCL500PS48



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
	90		110		Main Converter
	62		65		PFC Converter
	80		190		Main converter
Power Density			2.7	W/in ³	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