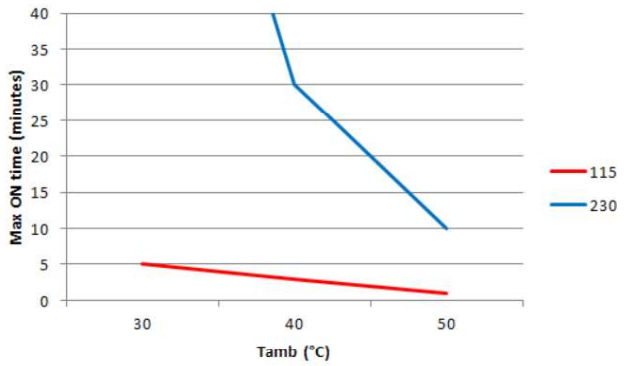
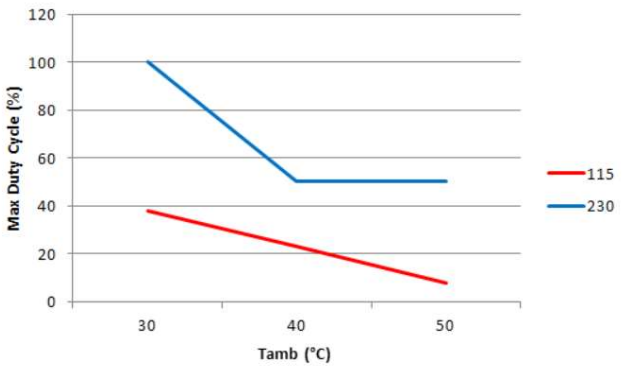
Specifications

Model		CUS400M
Output		
Line Regulation	%	0.5 (85 - 264Vac)
Load Regulation	%	1.0 (0 - 100% load)
Ripple & Noise	%	<1
Temperature Coefficient	%/°C	±0.02
Minimum Load	-	No minimum load required
Overcurrent Protection	%	101 to 170. Hiccup mode, automatic recovery
Overvoltage Protection	-	Latching (unit shutdown), cycle AC input to reset
Overtemperature Protection	-	Latching (unit shutdown), cycle AC input to reset
Remote Sense	-	0.5V total compensation Voltage at output terminals must remain within the range specified in the model selector
Remote On/Off	-	Opto-isolated. Inhibit: High = OFF, Low = ON, Enable: High = ON, Low = OFF
DC Good	-	Opto isolated, >20ms after output good
AC Fail	-	Opto isolated, 5ms warning before DC loss
Fan Supply	-	12.3V 0.3A (at 400W load)
Parallel Operation	-	Not possible
Series Operation	-	Possible, see installation manual. Maximum two units of the same model number
Environmental		
Operating Temperature (-30°C start-up)	°C	-20°C to +70°C, derate linearly above 50°C to 50% load
Storage Temperature	°C	-40°C to +85°C (70°C maximum for fan version /F)
Operating Humidity (non condensing)	%RH	5 - 95%RH (15 - 90%RH for /F fan version)
Cooling	-	Convection cooling or forced air (0.3m/s required for 400W output at 115Vac input)
Altitude	m	5,000m. Operating, transportation and storage
Withstand Voltage (For 1 minute)	Vac	Input to Ground 1.5kVAC (1xMOPP), Input to Output 4kVAC (2xMOPP), Output to Ground 1.5kVAC (1xMOPP)
Isolation Resistance	MΩ	>100MΩ at 25°C & 500Vdc
Vibration (Operating)	-	2G, 10-200Hz for 1 hour. Conforms to EN60068-2-6, IEC68-2-6, MIL-STD-810G
Shock	-	30G, 11ms half sine. Conforms to EN60068-2-27, EN60068-2-47, IEC68-2-27, IEC68-2-47, MIL-STD-810G
Other		
Weight (max)	g	440g (open frame version with plastic baseplate), /B: 495g, /C: 445g, /U: 530g, /A: 550g, /F: 605g
Size (WxLxH)	mm	Open frame version with plastic baseplate: 128 x 77.5 x 39.5
	in	Open frame version with plastic baseplate: 5 x 3 x 1.55
Connectors	-	Input: JST VAR-2, Output: M4 screws, Fan: Molex 51191-0200, Signals: Molex 51110-1051
Warranty	yrs	5

Notes:
(1) Class II construction and /F safety files - Contact Sales for release dates
(2) Applies to standard leakage version
See website for detailed specifications, test methods and installation manual
Specification parameters apply at 25°C ambient temperature unless otherwise stated.

Peak Power Rating Curves. U chassis configuration, convection cooled on metal baseplate





Ambient Temperature (°C)	AC Line Input (Vrms)	Maximum ON time (minutes)	Maximum Duty Cycle (%)	Maximum achievable output power
30	85	18	47	250W peak power
30	115	5	38	400W peak power
30	230	∞	100	400W Continuous
40	230	30	50	400W peak power
50	85	0	0	No peak rating
50	115	1	8	400W peak power
50	230	10	50	400W peak power

The curves below are guidelines only. The actual performance should be tested in the application.

See application notes for all mechanical formats.

Output Power vs Ambient Temperature , Open Frame Unit (mounted on a 300 x 300 x 1 mm aluminium plate)