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Electric Specification fo				eF17	5-225			
Telkoor Pa numbe		900-0225-0000						
Produ Descriptio		Dual Ou	Itp		/ open pply	frame po	wer	
Custome	er:		M	lartin pr	ofessi	onal		
Customer Pa numbe				0615	50005			
	SIZE	CAGE C	ODE	S5417	DWG. NO.	0225-DOC1-10	REV	C
MARTIN PROFESSIONAL	SCALE			RELEASE DATE	30/10/06	SHEET 1	OF	5



	REVISION HISTORY									
Rev Level	Rev Date	Change Made	Reason for Change	Effective						
А	30/10/06	Release for production		30/10/06						
В	25//01/07	Leakage current to 500uA		25/01/07						
С	25/12/2007	Step Load Correction		25/12/2007						

Approvals						
	Name	Date				
Written by:	Sam Sadot	30/10/06				
Engineering:	Sam Sadot	30/10/06				
Sales & Marketing:	Mor Allon	30/10/06				
Management:	Yossi Ben Ami	30/10/06				

CUSTOMER	SIZE	CAGE CO	DDE	S5417	DWG. NO.	0225-DOC1-1	0	REV	C
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## Input:

Input Voltage:	85-265Vac
Frequency:	47-63Hz
Inrush Current:	60A maximum, cold start at 25°C, 250Vac
Power Factor:	0.98 typical at 230Vac, full load 0.99 typical at 115Vac, full load
Efficiency	80% typical at 230Vac, full load 75% typical at 115Vac, full load
Input Protection:	Internal Line Fuse: IEC type 5A 250Vac Normal BLO
Brown – Out:	75 to 300Vac

## **Output Voltages & Currents:**

Output	Output Voltage	Min	Max	Max. Peak				
V1	5.0V	0	40A	43A				
V2	+12.0V	0	1.5A	2A				
* Maximum output power	r at any combination withi	n this table is 200 watts.	•	·				
Output Power:		200W						
Line Regulation:		$\pm$ 0.2% for Vin (Min) t	o Vin (Max).					
Load Regulation:								
V1		$\pm$ 2% for load change	from zero to full load					
V2		$\pm$ 4% for load change	from 10% to 100% k	oad				
Ripple & Noise								
V1		75mV P-P						
V2		120mV						
Output Voltage Adjustme	nt Range	V1 only $\pm$ 5%						
Initial Set Point Tolerance	2:	V2 ± 2%						
Overshoot & Undershoot:		Less than 1% at turn	ON-OFF					
Transient Load Response	:	$\pm 5\%$ Max. Deviation for load change of 50% to 75% , at slew rate of 1A/usec, recovery time less then 500Msec						
Turn On Delay:		2 sec. Maximum.						
Hold-up Time:		16msec minimum at a	ny input voltage in ra	nge and full load				
Turn-On Rise Time:		50Msec Max.						
Over-current Protection:				nit, automatic recovery (V2 SD)				
Over-voltage Protection:				nit, automatic recovery nal, AC input must Recycled to				
Temperature Protection:			essive internal tempera	ature 90 to 97°C (U channel)				
Remote Sense		Available on V1						
Current Share		N/A						
Hot Swap		N/A						

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Inhibit:	N/A
Power OK:	Open collector, active low when any of V1, V2 outputs drop 10% below rated output.
Environmental Specifications:	
Temperature:	Operating: $-5^{\circ}$ C to $+50^{\circ}$ C (de-rating linearly to 70 °C with 50% de-rating). Storage: $-25^{\circ}$ C to $+85^{\circ}$ C.
Temperature Coefficient:	0 to 70°C $\pm$ 0.005%/°C
Cooling:	200W continuous forced air cooling (250lfm, or 15CFM min.)
Humidity:	Maximum 5% to 95% RH non-condensating.
Altitude:	Operating 10,000 ft. Non- operating 40,000 ft.
Vibration:	Three orthogonal axes at 1 octave/min, 5 min dwell at four major resonances at 0.75G peak, 5Hz to 500Hz.
Safety Regulatory & EMC Speci	fications:
MEETS FCC CLASS B, CISPR 22 CLA	ASS B, EN55022 CLASS B – With an external input line filter
EN61000-3-2	HARMONICS
EN61000-3-3	VOLTAGE FLUCTUATION
EN6000-4-2	ESD +8KV AIR +4KV CONTACT DISCHARGE, performance criteria B
EN61000-4-3	RADIATED IMMUNITY: 80-1000Mhz 3V/m, AM 80% (1KHz), criteria A
EN61000-4-4	FAST TRANSIENT: 1KV for AC power port, 0.5KV for DC power I/O and signals Port, performance criteria B
EN61000-4-5	SURGE: 2KV common mode and 1KV differential mode
EN61000-4-6	3VRMS, 80% A.M. BY 1kHz
EN61000-4-8	3A /m at 50Hz, performance criteria A.
EN61000-4-11	VOLTAGE Dips and interruption: 30% reduction for 10mSec –Criteria B, 60% For 100mSec. Criteria C, 95% reduction for 5000mSec Criteria C.

Dielectric Withstand:	
Input to Case:	Input to case: 1500VAC.
Input to Output:	Input to output: 3000VAC
Output to Case:	Output to case: 100VDC.
Safety Agency Compliance (Pending):	UL 60950-1 EN-60950-1 CE - MARK
Leakage Current:	<500uA @ 50/60 Hz, 264Vac input.
MTBF:	300,000 hours minimum per BELCOR 332,issue 6 specification @30 degrees C (Max junction temperature $110^{\circ}$ C , Capacitors $105^{\circ}$ C)
Mechanical Dimensions	
Size	127mm x 84mm x 38.0mm 650 Gr.
Weight Input AC Connector	Molex 26-48-1055
Output Connector	V1 two #10 Lug
	V2 Molex 26-48-1025
Command & Control Connector	Molex 22-27-2061

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## **Outline Drawing**

