

SPECIFICATIONS

CA845-01-01/CO-D

ITEMS			MODEL	CME200A -12/CO	CME200A -18/CO	CME200A -24/CO	CME200A -36/CO	CME200A -48/CO
1	Nominal Output Voltage	V		12	18	24	36	48
2	Maximum Output Current @ Convection cooling	A		16.7	11.2	8.4	5.5	4.2
	Maximum Output Current @ Forced air cooling (*12)	A		16.7	14.0	10.5	7.0	5.3
3	Maximum Output Power @ Convection cooling	W		200.4	201.6	201.6	198.0	201.6
	Maximum Output Power @ Forced air cooling (*12)	W		200.4	252.0	252.0	252.0	254.4
4	Standby Mode Power	-		5V @ 0.5A(max)				
5	Efficiency @ Convection cooling (Typ.)	(*)%		92 / 93	92 / 94	92 / 94	92 / 94	92 / 94
	Efficiency @ Forced air cooling (Typ.)	(*)%		92 / 93	92 / 94	92 / 94	92 / 94	92 / 94
6	Input Voltage Range	(*)-		85 - 265 VAC (47-63Hz)				
7	Input Current @ Convection cooling (Typ.)	(*)A		2.2 / 1.1				
	Input Current @ Forced air cooling (Typ.)	(*)A		3.0 / 1.5				
8	In-rush Current (Typ.)	(*)(*)-		35A / 70A at Cold Start				
9	PFHC	-		Built to meet IEC61000-3-2,Class A				
10	Power Factor (Typ.)	(*)-		0.99/0.95				
11	Output Voltage Range	V		11.7 - 12.6	17.6 - 18.9	23.5 - 25.2	35.2 - 37.8	47.0 - 50.4
12	Maximum Ripple & Noise@ Convection cooling (*1)(*)(*)	mV		180	180	240	360	480
	Maximum Ripple & Noise@ Forced air cooling (*1)(*)(*)	mV		180	200	240	360	480
13	Maximum Line Regulation	(*)(*)(*)		60	90	120	180	240
14	Maximum Load Regulation	(*)(*)(*)		120	180	240	360	480
15	Power Consumption @ Remote OFF(Typ.)	(*)(*)-		< 0.5W @ 230VAC				
16	Temperature Coefficient	(*)(*)-		Less than 0.02% / °C				
17	Over Current Protection	(*)(*)A		>17.5	>14.7	> 11.0	> 7.4	>5.5
18	Over Voltage Protection	(*)(*)V		13.2 - 16.2	19.8 - 24.3	26.4 - 32.4	39.6 - 48.6	52.8 - 64.8
19	Hold-up time (Typ.)	(*)(*)-		16ms @ 200W, 12ms @ 250W				
20	Leakage Current	(*)(*)-		0.3mA max @ 265VAC, 60Hz				
21	Remote ON/OFF control	-		Possible				
22	DC-OK	-		Possible				
23	Parallel Operation	-		-				
24	Series Operation	-		Possible				
25	Operating Temperature	(*)(*)-		-20°C to +70°C				
26	Operating Humidity	-		10 to 95%RH (No condensing)				
27	Storage Temperature	-		-40°C to +85°C				
28	Storage Humidity	-		10 to 95%RH (No condensing)				
29	Cooling	(*)(*)-		Convection or Forced Air Cooling				
30	Withstand Voltage	-		Input-FG : 2kVAC (20mA) 1x MOPP Input-Output : 4kVAC (20mA) 2x MOPP Output-FG : 1.5kVAC (20mA) 1x MOPP				
31	Isolation Resistance	-		More than 100MΩ at 25°C,70%RH, Output - FG : 500VDC				
32	Vibration	-		At no operating, 10-55Hz (Sweep for 1min.) Maximum 19.6m/s ² X,Y,Z 1 hour each				
33	Shock	-		Less than 196m/s ² and MIL-STD-810F				
34	Safety	-		Approved by IEC/EN62368-1,UL62368-1,CSA62368-1 Approved by IEC/EN60601-1,ES60601-1,CSA-C22.2 No.60601-1				
35	EMI	(*)(*)-		Designed to meet EN55011-B, EN55032-B, FCC-Class B				
36	Immunity	-		Designed to meet IEC61000-6-2 IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5 IEC61000-4-6, IEC61000-4-8, IEC61000-4-11				
37	Line DIP	-		Designed to meet SEMI-F47 (200VAC Line only)				
38	Weight (Typ.)	g		350				
39	Size (L x W x H)	mm		127 x 76.2 x 34 (Refer to Outline Drawing)				

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 115VAC/230VAC, Ta=25°C, Nominal output voltage and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, input voltage range will be 100-240VAC (50-60Hz).
Output derating required when Vin is less than 115VAC, refer to output derating curve for details.
- *3. Not applicable for the in-rush current to Noise Filter for less than 0.2ms.
- *4. Please refer to Fig. A for measurement of Vo, line and load regulation and ripple voltage.
- *5. Ripple & noise are measured at 20MHz by using a 150mm twisted pair of load wires terminated with a 0.1μF and 100μF capacitor.
- *6. 85-265VAC, constant load.
- *7. No load - full load, constant input voltage.
- *8. Hiccup with automatic recovery,however power supply may be latched for protection when output is shorted and manual reset is required (Repower on) .
Avoid to operate at over load or short circuit condition.
- *9. OVP circuit shut down the output, manual reset (Repower on) to get output voltage.
- *10. Measured by the each measuring method of UL, CSA, and EN (at 60Hz), Ta=25°C.
- *11. Refer to output derating curve for details of output derating versus input voltage, ambient temperature and mounting method .
- Load (%) is percent of maximum output power or maximum output current.
- Do not exceed its derating of Maximum Load.
- *12. Forced air cooling with air velocity more than 1.5m/s (measured at component side, The entire components must be cooled).
- *13. The power consumption refers to input power during remote off and standby mode power is at no load condition.

