

TEST DATA OF AME1200F

(100VAC INPUT)

Regulated DC power supply
August 30, 2019

Approved by : Yoshimichi Hirokawa
Yoshimichi Hirokawa Design Manager

Prepared by : Enkyo Kaku
Enkyo Kaku Design Engineer

INPUT : 90 - 132VAC

COSEL CO.,LTD.

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<p>Model AME1200F</p>		<p>Temperature 25°C Testing Circuitry Figure A</p>																																																			
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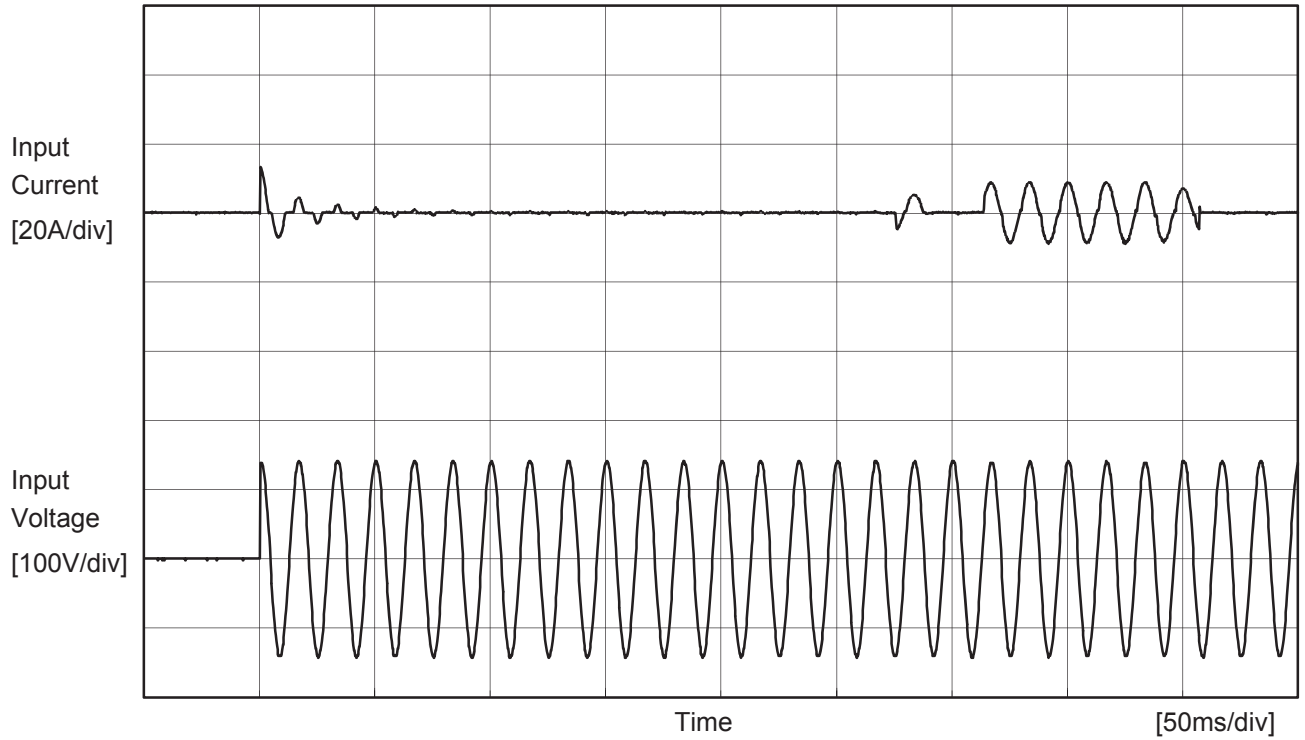
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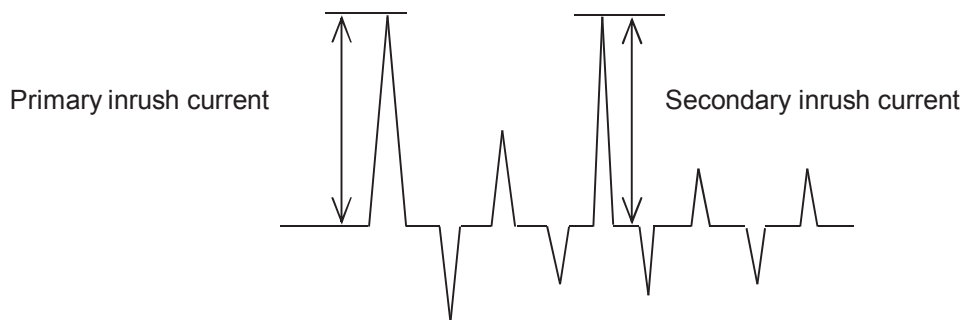


Model		AME1200F	Temperature 25°C Testing Circuitry Figure A
Item		Inrush Current	
Object		_____	



Input Voltage 100 V
 Frequency 60 Hz
 Load 100 %

Primary inrush current 13.3 A
 Secondary inrush current 9.0 A





COSEL		Temperature 25°C Testing Circuitry Figure B
Model	AME1200F	
Item	Leakage Current	
Object	_____	

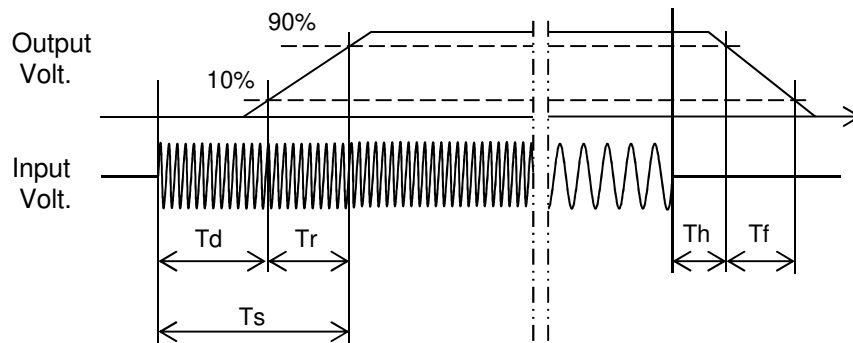
Standards	Testing Circuitry	Measuring Method	Input Volt.			Note
			90 [V]	100 [V]	132 [V]	
DEN-AN	Figure B-1	Both phases	0.06	0.08	0.09	Operation
		One of phases	0.12	0.16	0.17	Stand by
IEC62368-1	Figure B-2	Both phases	0.06	0.08	0.09	Operation
		One of phases	0.12	0.16	0.17	Stand by
	Figure B-3	Both phases	0.06	0.07	0.09	Operation
		One of phases	0.12	0.16	0.17	Stand by
IEC60601-1	Figure B-4	Both phases	0.06	0.08	0.09	Operation
		One of phases	0.12	0.16	0.17	Stand by

Note:

The value of "One of phases" is for reference only.
 The above value is the larger one of each phase of AC input.



COSEL			
Model	AME1200F	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	_____		



Input Voltage 100V
 Load Power 100% [ms]

Time	Td	Tr	Ts	Th	Tf
MODULE					
120W, SINGLE	792	6	798	24	1 - 8
240W, SINGLE	788	5	792	23	0.2 - 4
150W, DUAL	788	4	792	26	0.6



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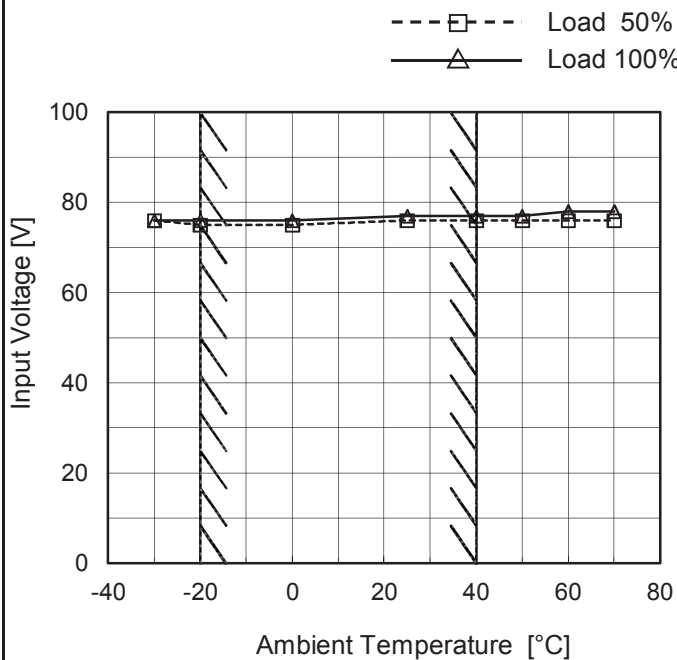
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<p>1. Graph</p> <p> Input Volt. 90V Input Volt. 100V Input Volt. 132V </p> <p style="text-align: center;">Instantaneous Compensation Time [ms]</p> <p style="text-align: center;">Load Power [W]</p>		<p>2. Value</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</th> <th colspan="3">Time [ms]</th> </tr> <tr> <th>Input Volt. 90[V]</th> <th>Input Volt. 100[V]</th> <th>Input Volt. 132[V]</th> </tr> </thead> <tbody> <tr><td>0</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>200</td><td>98</td><td>98</td><td>98</td></tr> <tr><td>400</td><td>48</td><td>48</td><td>48</td></tr> <tr><td>600</td><td>31</td><td>32</td><td>32</td></tr> <tr><td>800</td><td>23</td><td>23</td><td>23</td></tr> <tr><td>1000</td><td>20</td><td>20</td><td>18</td></tr> <tr><td>1100</td><td>15</td><td>15</td><td>15</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Load Power [W]	Time [ms]			Input Volt. 90[V]	Input Volt. 100[V]	Input Volt. 132[V]	0	--	--	--	200	98	98	98	400	48	48	48	600	31	32	32	800	23	23	23	1000	20	20	18	1100	15	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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<p>Note: Hatched line shows the range of the rated load power.</p>																																																					



Model		AME1200F
Item		Minimum Input Voltage for Regulated Output Voltage
Object		_____

Testing Circuitry Figure A

1. Graph



Note:

Hatched line shows the range of the rated operating temperature.

2. Value

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-30	76	76
-20	75	76
0	75	76
25	76	77
40	76	77
50	76	77
60	76	78
70	76	78
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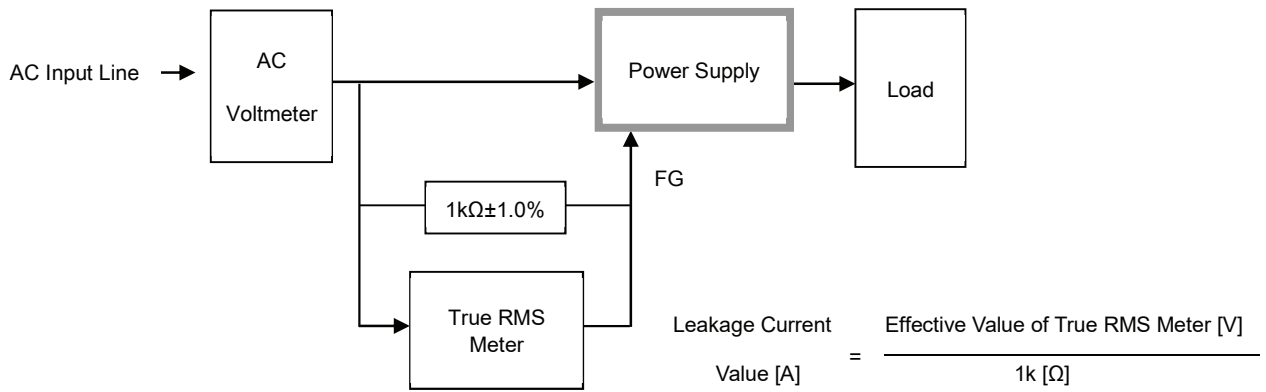
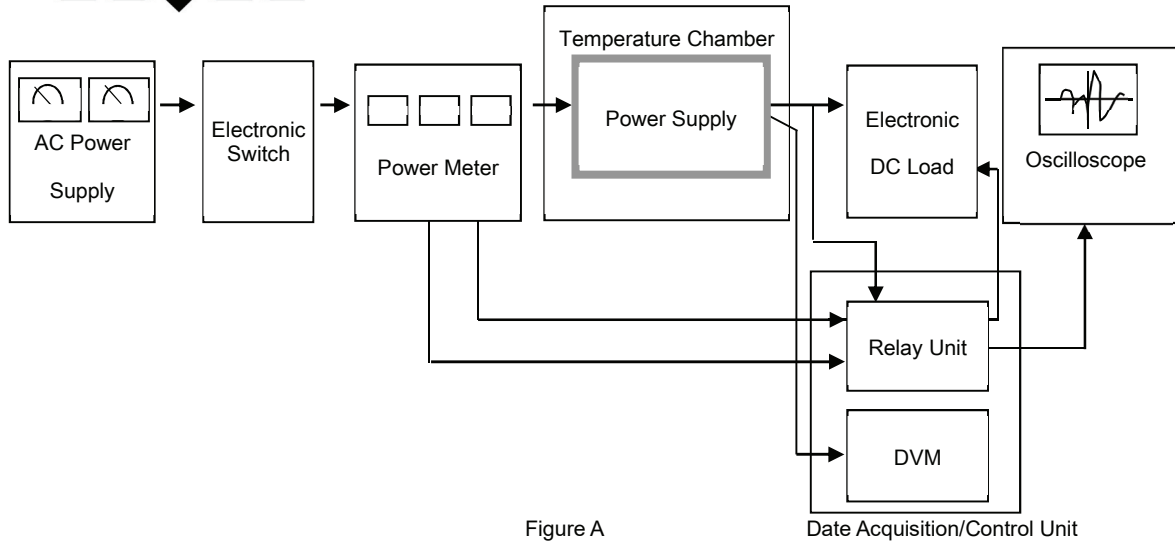


Figure B-1 (DEN-AN)

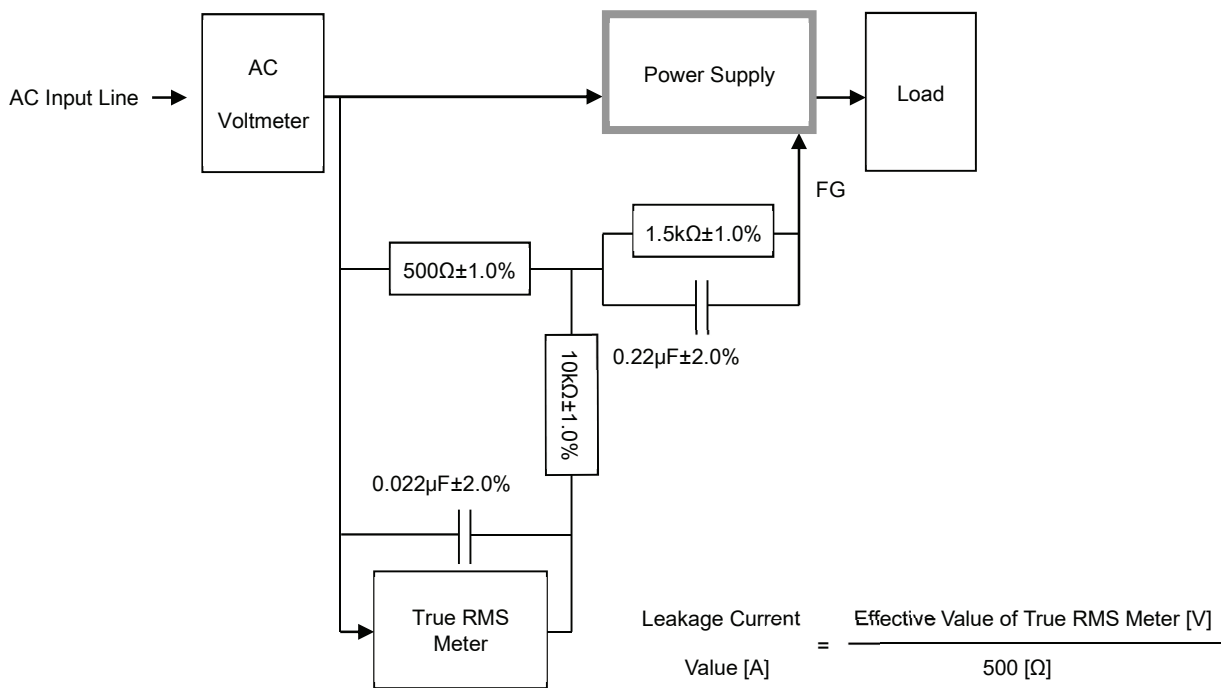


Figure B-2 (IEC62368-1 refer to IEC60990 Fig.4)

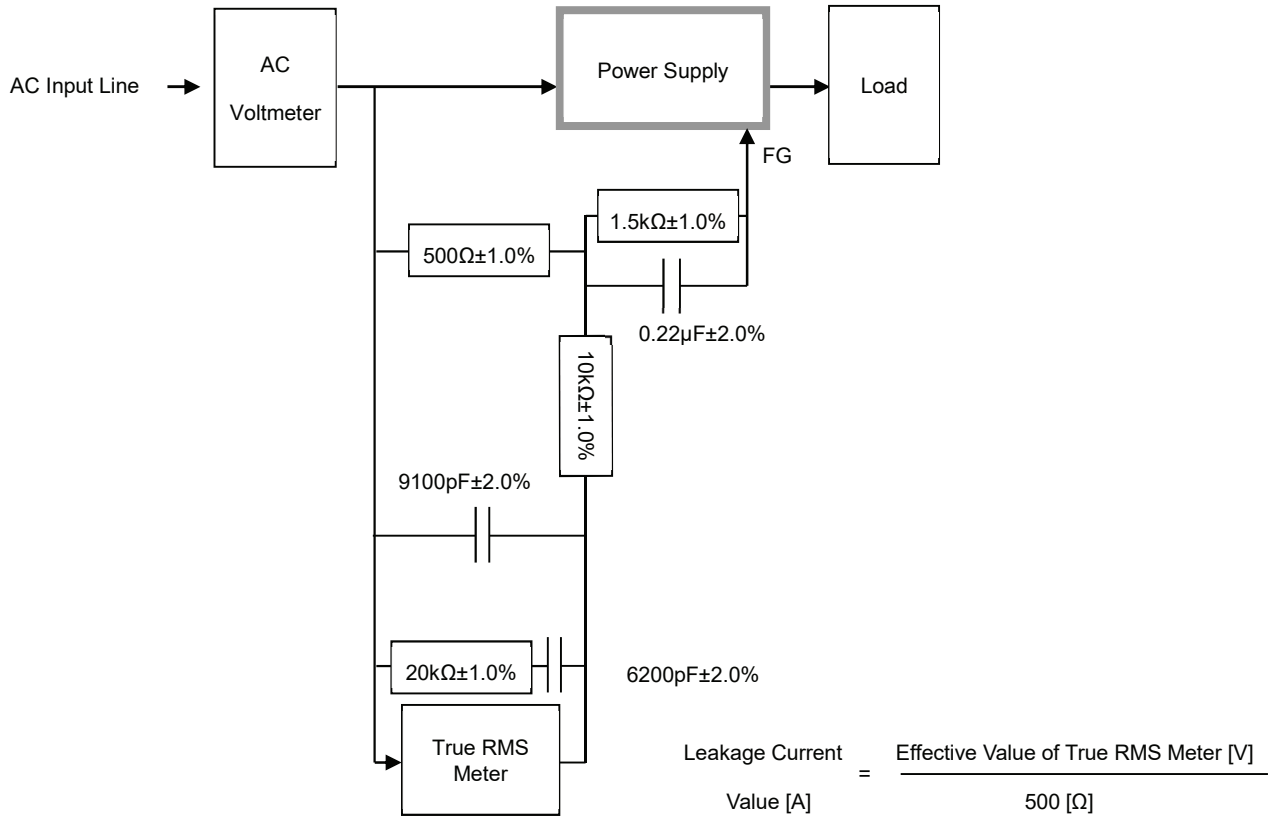


Figure B-3 (IEC62368-1 refer to IEC60990 Fig.5)

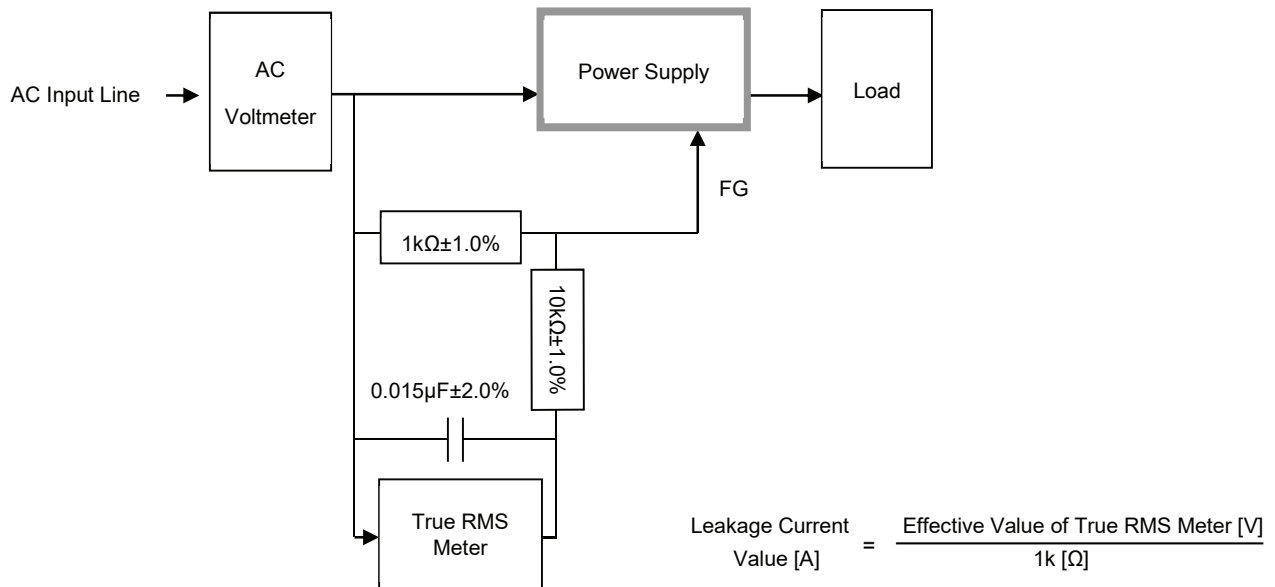


Figure B-4 (IEC60601-1)