



TEST DATA OF AEA600F-36

Regulated DC Power Supply
January 25, 2021

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Design Manager

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COSEL CO.,LTD.

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Model		AEA600F-36		Temperature 25°C																																																				
Item		Input Current (by Load Current)		Testing Circuitry Figure A																																																				
Object																																																								
1.Graph		<div><div><div>—△—</div><div>Input Volt.</div><div>100V</div></div><div><div>---□---</div><div>Input Volt.</div><div>200V</div></div><div><div>---○---</div><div>Input Volt.</div><div>230V</div></div></div> <p>Note: Slanted line shows the range of the rated load current.</p>		2.Values																																																				
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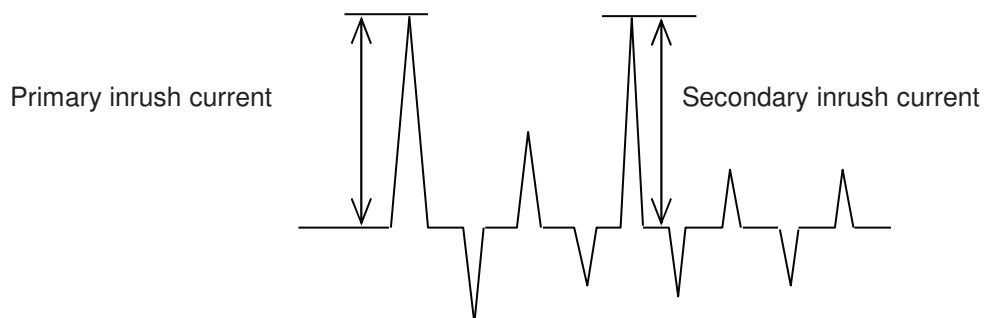
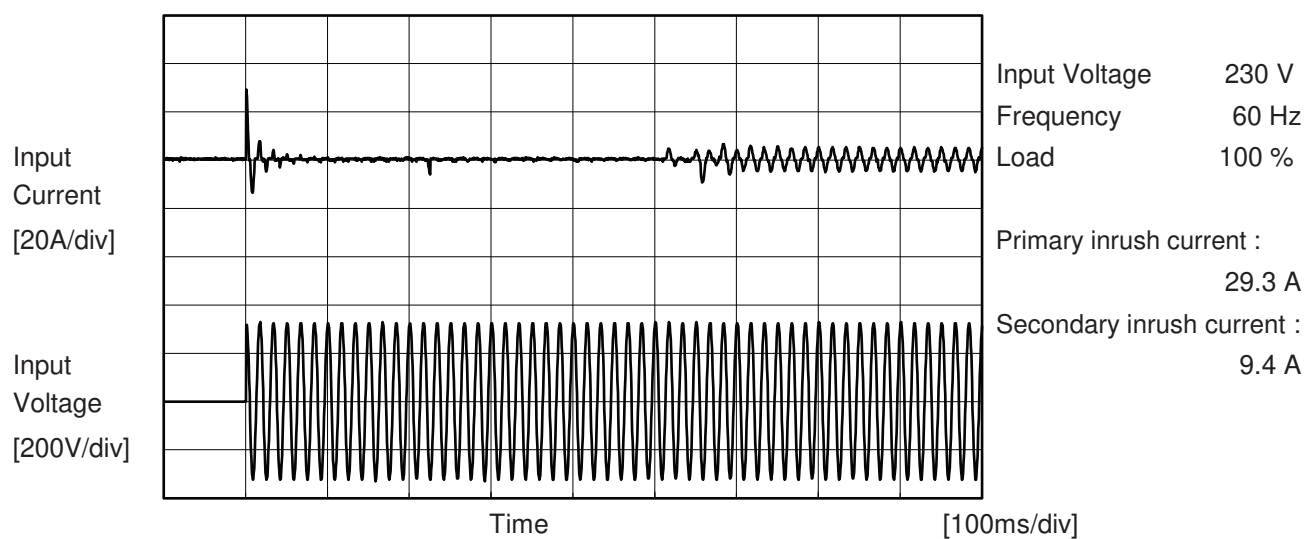
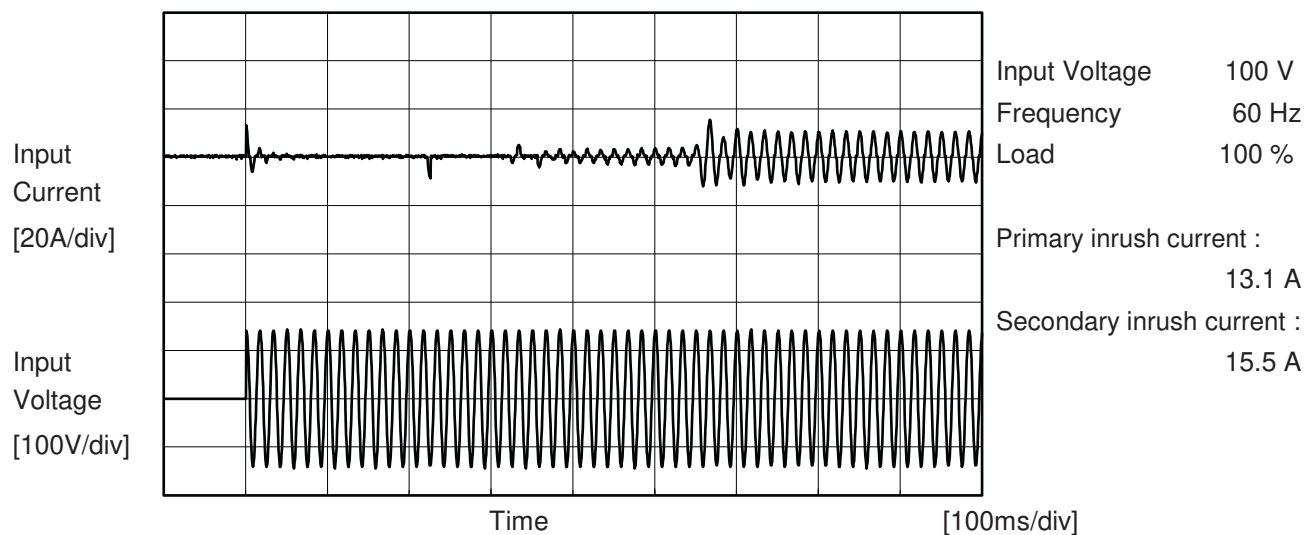
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Model	AEA600F-36	Temperature	25°C
Item	Inrush Current	Testing Circuitry	Figure A
Object	_____		





Model		Temperature 25°C Testing Circuitry Figure B
AEA600F-36		
Item		
Leakage Current		
Object		

1.Results

[mA]

Standards	Testing Circuitry	Measuring Method	Input Volt.			Note
			100 [V]	230 [V]	240 [V]	
DEN-AN	Figure B-1	Both phases	0.07	0.19	0.20	Operation
		One of phases	0.14	0.36	0.39	Stand by
IEC62368-1	Figure B-2	Both phases	0.07	0.19	0.20	Operation
		One of phases	0.14	0.36	0.39	Stand by
	Figure B-3	Both phases	0.07	0.19	0.20	Operation
		One of phases	0.14	0.36	0.39	Stand by
IEC60601-1	Figure B-4	Both phases	0.07	0.19	0.20	Operation
		One of phases	0.14	0.36	0.39	Stand by

The value for "One of phases" is the reference value only.

2.Condition

Leakage current value is concluded after measuring both phases of AC input and by choosing the larger one.

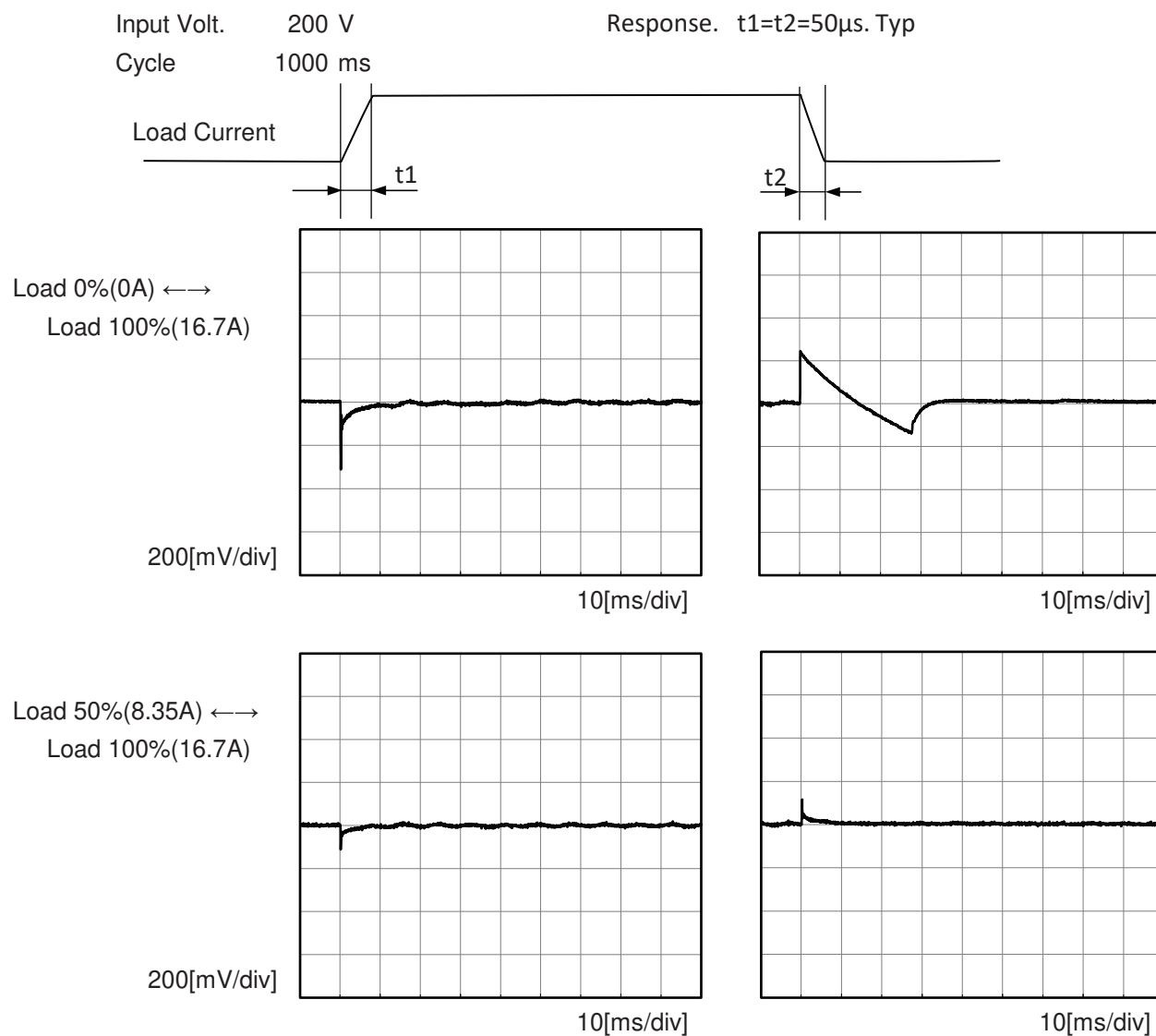
<div>LOREL</div>			
Model	AEA600F-36		
Item	Line Regulation	Temperature	25°C
Object	+36V16.7A	Testing Circuitry	Figure A
1.Graph		2.Values	
<div><div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div><div><div><div>Output Voltage 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COSEL

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Item		Load Regulation		Testing Circuitry Figure A	
Object		+36V16.7A			
1.Graph				2.Values	
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Input Volt.</div><div>100V</div></div><div><div>Input Volt.</div><div>200V</div></div><div><div>Input Volt.</div><div>230V</div></div></div></div> <div><div><div>Output Voltage 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COSEL

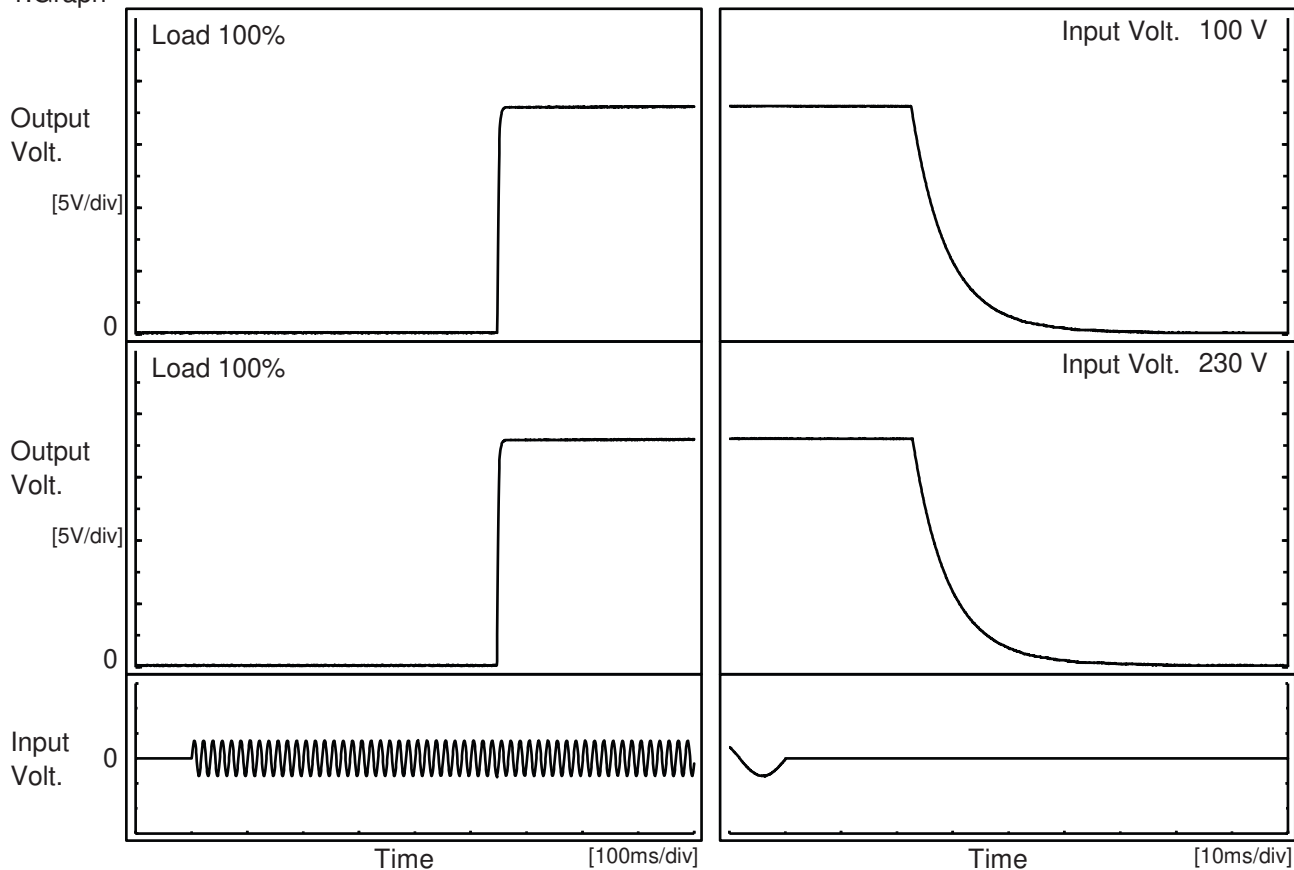
Model	AEA600F-36	Temperature 25°C Testing Circuitry Figure A
Item	Dynamic Load Response	
Object	+36V16.7A	



COSEL

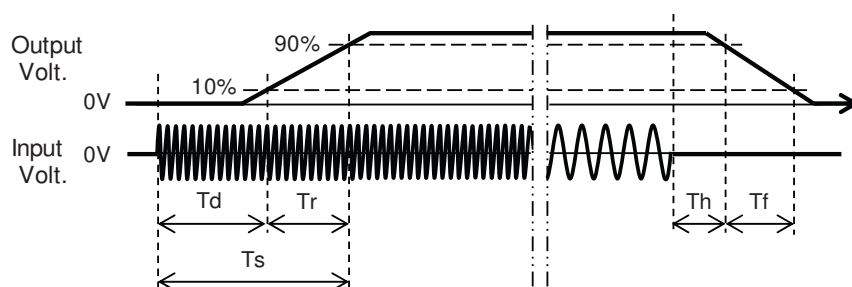
Model	AEA600F-36	Temperature 25°C Testing Circuitry Figure A
Item	Rise and Fall Time	
Object	+36V16.7A	

1.Graph



2.Values

[ms]					
Input Volt. \ Time	Td	Tr	Ts	Th	Tf
100 V	548.5	4.0	552.5	23.2	14.7
230 V	547.5	4.0	551.5	23.4	14.8



COSEL

Model		AEA600F-36	
Item		Hold-Up Time	
Object		+36V16.7A	
1.Graph		2.Values	

1000

100

10

1

50

100

150

200

250

300

Hold-Up Time [ms]

Input Voltage [V]

□

Load 50%

△

Load 100%

Input Voltage [V]	Hold-Up Time [ms]	
	Load 50%	Load 100%
85	45	40 *1
90	45	30 *2
100	45	31 *2
200	45	23
230	46	23
264	45	23
280	47	23
--	-	-
--	-	-

*1 : Load 60%

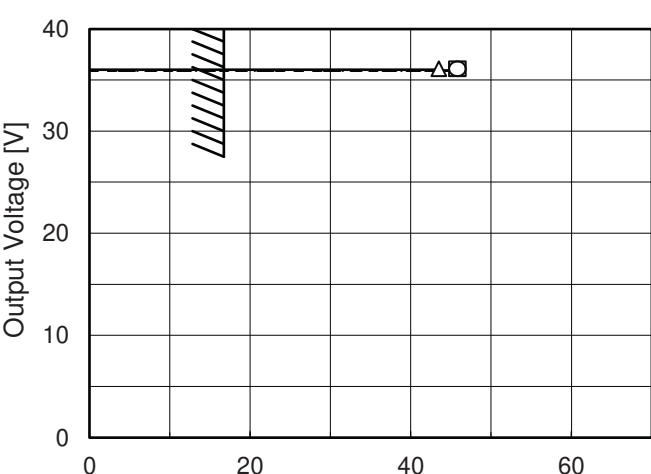
*2 : Load 80%

This duration covers from Shut-off of input voltage to the moment when output voltage descends to the rated range of voltage accuracy.

Note: Slanted line shows the range of the rated input voltage.

Model		AEA600F-36		Temperature 25°C Testing Circuitry Figure A	
Item		Instantaneous Interruption Compensation			
Object		+36V16.7A			
1.Graph		<div><div><div>—△—</div><div>Input Volt.</div><div>100V</div></div><div><div>---□---</div><div>Input Volt.</div><div>200V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>230V</div></div></div> <div><div><div>Instantaneous Compensation Time [ms]</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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Model		AEA600F-36		Temperature 25°C Testing Circuitry Figure A																																																																
Item		Overcurrent Protection																																																																		
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		Testing Circuitry Figure A																			
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Item	Ambient Temperature Drift																				
Object	+36V16.7A																				
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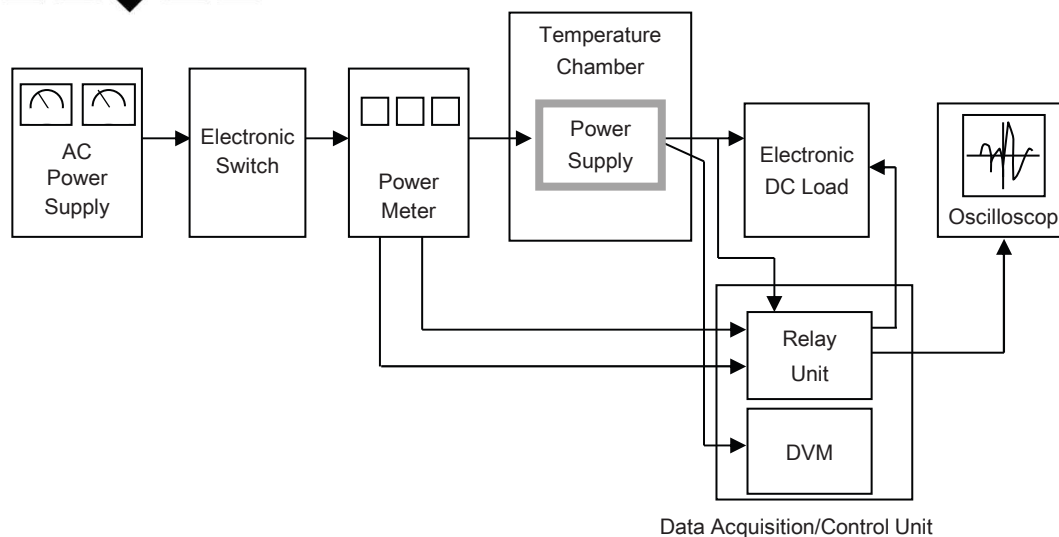


Figure A

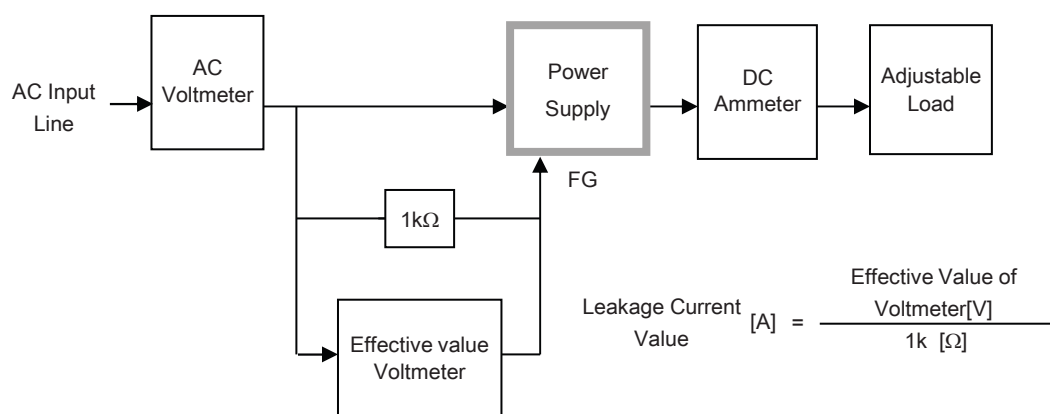


Figure B-1 (DEN-AN)

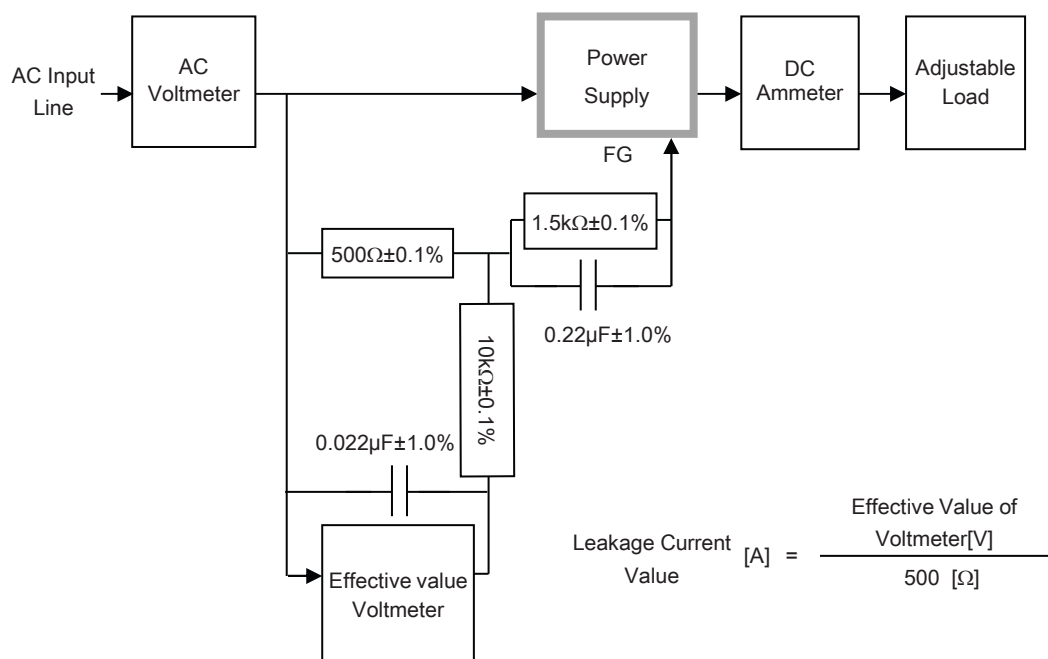


Figure B-2 (IEC62368-1 refer to IEC60990 Fig.4)

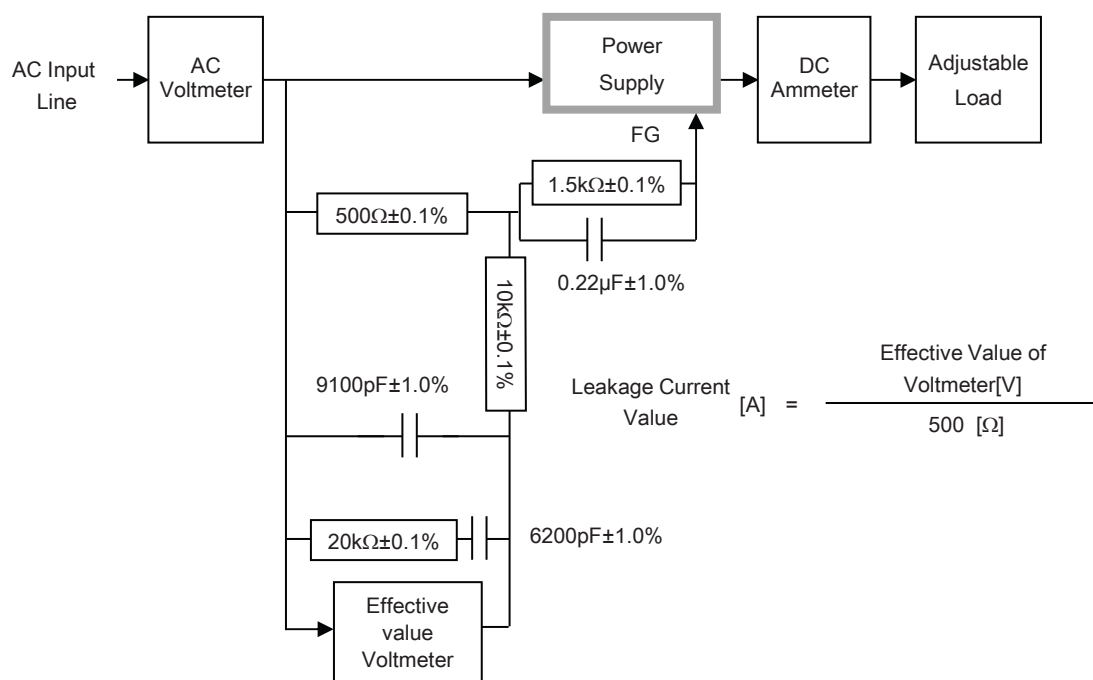


Figure B-3 (IEC62368-1 refer to IEC60990 Fig.5)

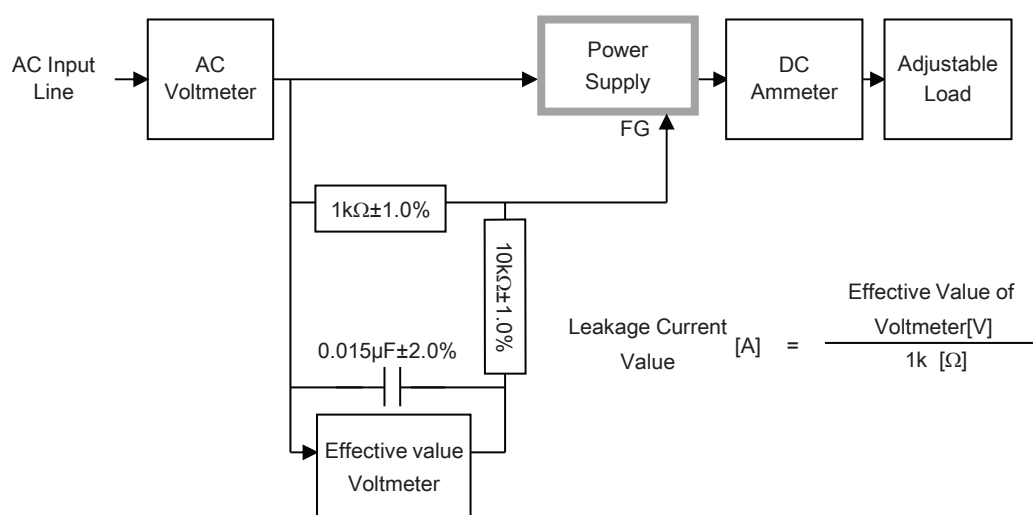


Figure B-4 (IEC60601-1)

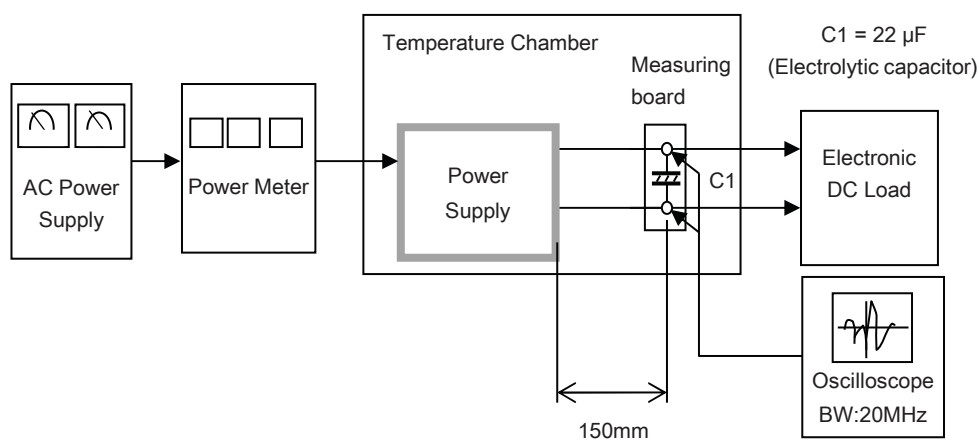


Figure C