

TEST DATA OF ADA600F

ADA600F-30
(200V INPUT)

Regulated DC power supply
Feb. 7, 2003

Approved by : Kuniaki Nagahara
Kuniaki Nagahara Design Manager

Prepared by : Koji Todo
Koji Todo Design Engineer

INPUT : AC 170~264V

OUTPUT : V1: 30V 20A

コーセル株式会社
COSEL CO.,LTD.

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Model	ADA600F (ADA600F-30)	Temperature	25℃																																
Item	Line Regulation 静の入力変動	Testing Circuitry	Figure A																																
Object	V1:+30V20A																																		
1. Graph		2. Values																																	
<div><div>---□---</div>Load 50%</div> <div><div>—△—</div>Load 100%</div> <p>Output Voltage [V]</p> <p>Input Voltage [V]</p>		<table><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Output Voltage [V]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr><tr><td>150</td><td>30.144</td><td>30.137</td></tr><tr><td>160</td><td>30.144</td><td>30.136</td></tr><tr><td>170</td><td>30.144</td><td>30.136</td></tr><tr><td>180</td><td>30.144</td><td>30.136</td></tr><tr><td>200</td><td>30.144</td><td>30.137</td></tr><tr><td>220</td><td>30.144</td><td>30.137</td></tr><tr><td>240</td><td>30.145</td><td>30.137</td></tr><tr><td>264</td><td>30.145</td><td>30.137</td></tr><tr><td>280</td><td>30.145</td><td>30.136</td></tr></table>		Input Voltage [V]	Output Voltage [V]		Load 50%	Load 100%	150	30.144	30.137	160	30.144	30.136	170	30.144	30.136	180	30.144	30.136	200	30.144	30.137	220	30.144	30.137	240	30.145	30.137	264	30.145	30.137	280	30.145	30.136
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Note: Slanted line shows the range of the rated input voltage.																																			
(注) 斜線は定格入力電圧範囲を示す。																																			

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Model		ADA600F (ADA600F-30)	
Item		Input Current (by Load Current) 入力電流 (負荷電力特性)	
Object			

1. Graph

—△—

Input Volt.

170 V

---□---

Input Volt.

200 V

-·-○-·-

Input Volt.

264 V

Input Current [A]

5.0

4.0

3.0

2.0

1.0

0.0

0

200

400

600

Load Power [W]

Note: Slanted line shows the range of the rated load power.

(注) 斜線は定格電力範囲を示す。

2. Values

Load Power [W]	Input Current [A]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0	0.158	0.173	0.214
120	0.946	0.823	0.673
240	1.702	1.465	1.154
360	2.469	2.113	1.642
480	3.254	2.772	2.137
600	4.070	3.454	2.646
660	4.470	3.800	2.905
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

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Model		ADA600F (ADA600F-30)		Temperature		25℃																																																				
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<div><div><div>—△—</div><div>Input Volt.</div><div>170 V</div></div><div><div>---□---</div><div>Input Volt.</div><div>200 V</div></div><div><div>-·-○-·-</div><div>Input Volt.</div><div>264 V</div></div></div> <div><p>Input Power [W]</p><p>Load Power [W]</p></div>				<table><tr><th rowspan="2">Load Power [W]</th><th colspan="3">Input Power [W]</th></tr><tr><th>Input Volt. 170[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 264[V]</th></tr><tr><td>0</td><td>10.4</td><td>11.1</td><td>13.4</td></tr><tr><td>120</td><td>147.6</td><td>147.3</td><td>147.1</td></tr><tr><td>240</td><td>279.0</td><td>277.1</td><td>276.2</td></tr><tr><td>360</td><td>411.0</td><td>410.0</td><td>408.0</td></tr><tr><td>480</td><td>546.0</td><td>543.0</td><td>541.0</td></tr><tr><td>600</td><td>686.0</td><td>681.0</td><td>678.0</td></tr><tr><td>660</td><td>757.0</td><td>752.0</td><td>747.0</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></table>				Load Power [W]	Input Power [W]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	0	10.4	11.1	13.4	120	147.6	147.3	147.1	240	279.0	277.1	276.2	360	411.0	410.0	408.0	480	546.0	543.0	541.0	600	686.0	681.0	678.0	660	757.0	752.0	747.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Load Power [W]	Input Power [W]																																																									
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Model		ADA600F (ADA600F-30)	
Item		Efficiency (by Input Voltage) 効率 (入力電圧特性)	
Object			

1. Graph

□

Load 50%

△

Load 100%

Efficiency [%]

100

96

92

88

84

80

76

72

140

180

220

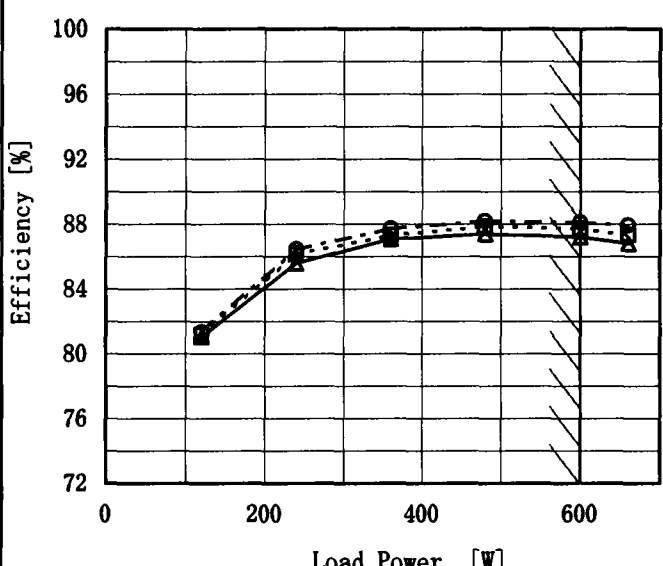
260

300

Input Voltage [V]

</

COSEL

Model		ADA600F (ADA600F-30)		Temperature		25℃																																																				
Item		Efficiency (by Load Power) 効率 (負荷電力特性)		Testing Circuitry		Figure A																																																				
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1. Graph		—△— Input Volt. 170 V ---□--- Input Volt. 200 V -·-○-·- Input Volt. 264 V		2. Values																																																						
<div><div>Efficiency [%]</div><div></div><div>Load Power [W]</div></div>				<table><tr><th rowspan="2">Load Power [W]</th><th colspan="3">Efficiency [%]</th></tr><tr><th>Input Volt. 170[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 264[V]</th></tr><tr><td>0</td><td>—</td><td>—</td><td>—</td></tr><tr><td>120</td><td>81.1</td><td>81.2</td><td>81.4</td></tr><tr><td>240</td><td>85.6</td><td>86.2</td><td>86.5</td></tr><tr><td>360</td><td>87.1</td><td>87.3</td><td>87.7</td></tr><tr><td>480</td><td>87.4</td><td>87.9</td><td>88.2</td></tr><tr><td>600</td><td>87.2</td><td>87.7</td><td>88.1</td></tr><tr><td>660</td><td>86.8</td><td>87.4</td><td>87.9</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></table>				Load Power [W]	Efficiency [%]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	0	—	—	—	120	81.1	81.2	81.4	240	85.6	86.2	86.5	360	87.1	87.3	87.7	480	87.4	87.9	88.2	600	87.2	87.7	88.1	660	86.8	87.4	87.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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Model		ADA600F (ADA600F-30)		Temperature		25℃																																																				
Item		Hold-Up Time (by Load Power) 出力保持時間 (負荷電力特性)		Testing Circuitry		Figure A																																																				
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1. Graph		<div><div>—△—</div>Input Volt. 170V</div> <div><div>---□---</div>Input Volt. 200V</div> <div><div>---○---</div>Input Volt. 264V</div>		2. Values																																																						
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<p>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 load power.</p> <p>出力保持時間とは、入力電圧断から出力電圧が定電圧精度の範囲を保持しているところまでの時間。 (注) 斜線は定格電力範囲を示す。</p>																																																										

COSEL

Model

ADA600F (ADA600F-30)

Item

Instantaneous Interruption Compensation
(by Load Power)
瞬時停電保障 (負荷電力特性)

Object

1. Graph

—△—

Input Volt. 170V

---□---

Input Volt. 200V

-·-○-·-

Input Volt. 264V

Instantaneous Compensation Time [mS]

1000

100

10

1

0

200

400

600

Load Power [W]	170V [mS]	200V [mS]	264V [mS]
120	159	162	175
240	85	88	96
360	56	60	59
480	37	36	37
600	31	31	33
660	30	30	30

Load Power [W]

Note: Slanted line shows the range of the rated load power.

(注) 斜線は定格電力範囲を示す。

Temperature

25℃

Testing Circuitry

Figure A

2. Values

Load Power [W]	Time [mS]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0	—	—	—
120	159	162	175
240	85	88	96
360	56	60	59
480	37	36	37
600	31	31	33
660	30	30	30
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

COSEL

Model		ADA600F (ADA600F-30)	
Item		Load Regulation 静的負荷変動	
Object		V1:+30V20A	

1. Graph

—△—

Input Volt.

170 V

---□---

Input Volt.

200 V

-·-○-·-

Input Volt.

264 V

Output Voltage [V]

30.40

30.30

30.20

30.10

30.00

29.90

29.80

29.70

0

10

20

Load Current [A]

30.161

30.143

30.141

30.140

30.137

30.135

30.135

—

—

—

—

2. Values

Load Current [A]	Output Voltage [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0	30.161	30.158	30.158
4	30.143	30.142	30.138
8	30.141	30.141	30.143
12	30.140	30.139	30.134
16	30.137	30.138	30.138
20	30.135	30.136	30.136
22	30.135	30.134	30.136
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

Note: Slanted line shows the range of the rated load current.

(注) 斜線は定格負荷電流範囲を示す。

COSEL

Model	ADA600F (ADA600F-30)																																						
Item	Ripple Voltage (by Load Current) リップル電圧 (負荷特性)	Temperature	25℃																																				
Object	V1:+30V20A	Testing Circuitry	Figure A																																				
1. Graph		2. Values																																					
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Input Volt. 170 V</div><div>Input Volt. 264 V</div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Ripple Voltage [mV]</div><div>Load Current [A]</div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Input Volt. 170[V]</div><div>Input Volt. 264[V]</div></div></div> <table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Output Voltage [mV]</th></tr><tr><th>Input Volt. 170[V]</th><th>Input Volt. 264[V]</th></tr><tr><td>0</td><td>15</td><td>15</td></tr><tr><td>4</td><td>25</td><td>25</td></tr><tr><td>8</td><td>30</td><td>30</td></tr><tr><td>12</td><td>30</td><td>30</td></tr><tr><td>16</td><td>30</td><td>30</td></tr><tr><td>20</td><td>35</td><td>35</td></tr><tr><td>22</td><td>45</td><td>45</td></tr><tr><td>--</td><td>--</td><td>--</td></tr><tr><td>--</td><td>--</td><td>--</td></tr><tr><td>--</td><td>--</td><td>--</td></tr><tr><td>--</td><td>--</td><td>--</td></tr></table> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Ripple Voltage is shown as p-p in the figure below.</div><div>Note: Slanted line shows the range of the rated load current.</div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>リップル電圧は、下図 p-p 値で示される。</div><div>(注) 斜線は定格負荷電流範囲を示す。</div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>T1: Due to AC Input Line</div><div>入力商用周期</div><div>T2: Due to Switching</div><div>スイッチング周期</div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Ripple [mVp-p]</div><div>T1</div><div>T2</div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Fig. Complex Ripple Wave Form</div><div>図 リップル波形詳細図</div></div></div></div>		Load Current [A]	Ripple Output Voltage [mV]		Input Volt. 170[V]	Input Volt. 264[V]	0	15	15	4	25	25	8	30	30	12	30	30	16	30	30	20	35	35	22	45	45	--	--	--	--	--	--	--	--	--	--	--	--
Load Current [A]	Ripple Output Voltage [mV]																																						
	Input Volt. 170[V]	Input Volt. 264[V]																																					
0	15	15																																					
4	25	25																																					
8	30	30																																					
12	30	30																																					
16	30	30																																					
20	35	35																																					
22	45	45																																					
--	--	--																																					
--	--	--																																					
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COSEL

Model		ADA600F (ADA600F-30)	
Item		Ripple-Noise リップルノイズ	
Object		V1:+30V20A	

1. Graph

—△— Input Volt. 170 V

---○--- Input Volt. 264 V

Load Current [A]	Input Volt. 170[V] [mV]	Input Volt. 264[V] [mV]
0	15	15
4	35	35
8	35	35
12	40	40
16	40	40
20	45	45
22	55	55
--	--	--
--	--	--
--	--	--
--	--	--

Ripple-Noise is shown as p-p in the figure below.
Note: Slanted line shows the range of the rated load current.

リップルノイズは、下図 p-p 値で示される。
(注) 斜線は定格負荷電流範囲を示す。

T1: Due to AC Input Line
入力商用周期

T2: Due to Switching
スイッチング周期

Fig. Complex Ripple Wave Form
図 リップル波形詳細図

2. Values

Load Current [A]	Ripple-Noise [mV]	
	Input Volt. 170[V]	Input Volt. 264[V]
0	15	15
4	35	35
8	35	35
12	40	40
16	40	40
20	45	45
22	55	55
--	--	--
--	--	--
--	--	--
--	--	--

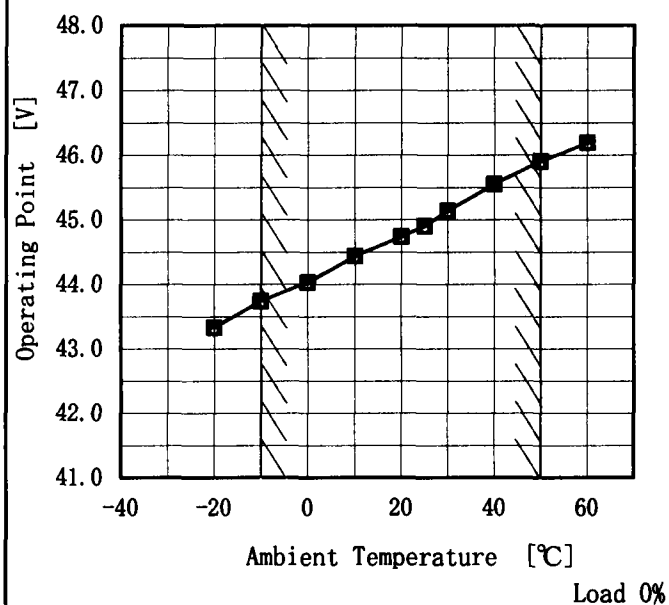
COSEL

Model	ADA600F (ADA600F-30)																																																													
Item	Overcurrent Protection 過電流保護		Temperature 25℃ Testing Circuitry Figure A																																																											
Object	V1:+30V20A																																																													
1. Graph		2. Values																																																												
<div><div></div>Input Volt. 170 V</div> <div><div></div>Input Volt. 200 V</div> <div><div></div>Input Volt. 264 V</div> <div>Output Voltage [V]</div> <div>Load Current [A]</div>		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="3">Load Current [A]</th></tr><tr><th>Input Volt. 170[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 264[V]</th></tr><tr><td>30.0</td><td>27.28</td><td>27.33</td><td>27.38</td></tr><tr><td>28.5</td><td>27.49</td><td>27.54</td><td>27.59</td></tr><tr><td>27.0</td><td>27.70</td><td>27.75</td><td>27.75</td></tr><tr><td>24.0</td><td>27.99</td><td>28.00</td><td>28.00</td></tr><tr><td>21.0</td><td>28.20</td><td>28.20</td><td>28.20</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><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></table>		Output Voltage [V]	Load Current [A]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	30.0	27.28	27.33	27.38	28.5	27.49	27.54	27.59	27.0	27.70	27.75	27.75	24.0	27.99	28.00	28.00	21.0	28.20	28.20	28.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Output Voltage [V]	Load Current [A]																																																													
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]																																																											
30.0	27.28	27.33	27.38																																																											
28.5	27.49	27.54	27.59																																																											
27.0	27.70	27.75	27.75																																																											
24.0	27.99	28.00	28.00																																																											
21.0	28.20	28.20	28.20																																																											
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<div>Note: Slanted line shows the range of the rated load current.</div> <div>(注) 斜線は定格負荷電流範囲を示す。</div> <div>Intermittent operation occurs when the output voltage is from 18V to 0V.</div> <div>18V~0V間は、間欠モードとなる。</div>																																																														

COSEL

Model	ADA600F (ADA600F-30)
Item	Overvoltage Protection 過電圧保護
Object	V1:+30V20A

1. Graph
- △— Input Volt. 170 V
 ---□--- Input Volt. 200 V
 ---○--- Input Volt. 264 V



Note: Slanted line shows the range of the rated ambient temperature.

(注) 斜線は定格周囲温度範囲を示す。

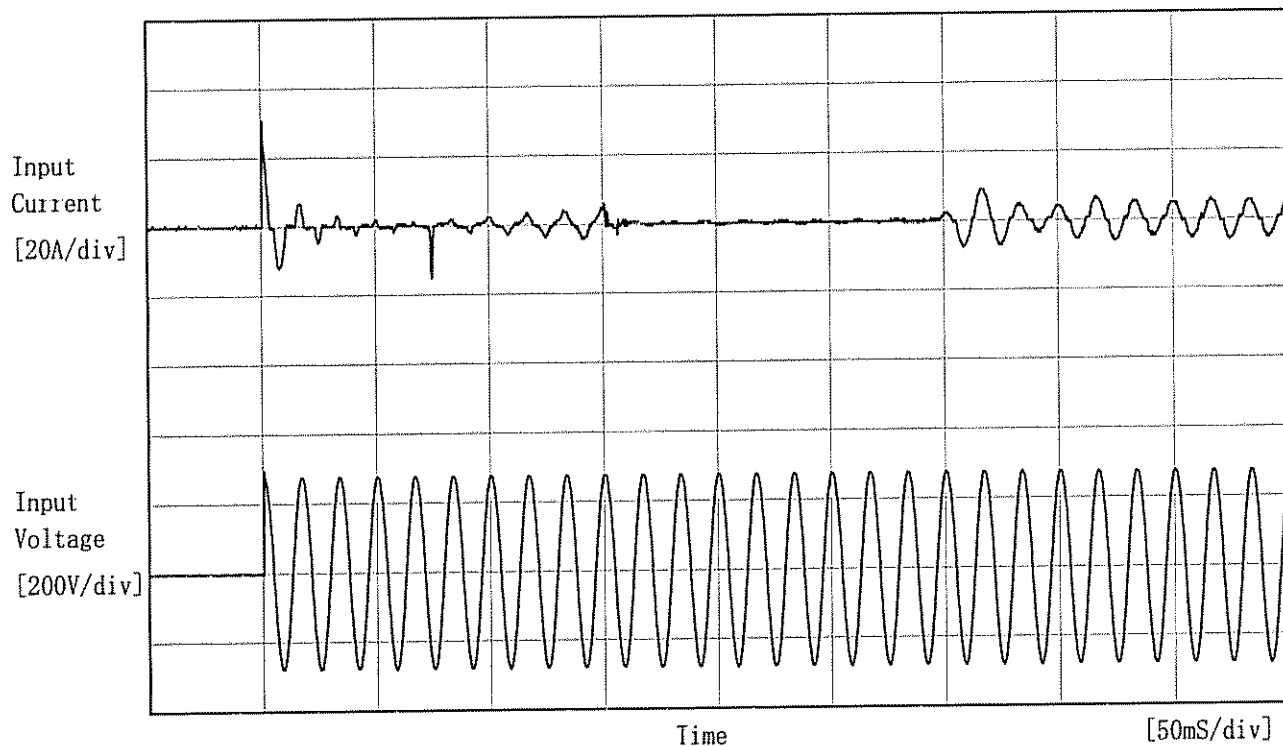
Testing Circuitry Figure A

2. Values

Ambient Temperature [°C]	Operating Point [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	43.33	43.33	43.33
-10	43.74	43.74	43.74
0	44.03	44.03	44.03
10	44.44	44.44	44.44
20	44.74	44.74	44.74
25	44.90	44.90	44.90
30	45.14	45.14	45.14
40	45.55	45.55	45.55
50	45.90	45.90	45.90
60	46.19	46.19	46.19
—	—	—	—

COSEL

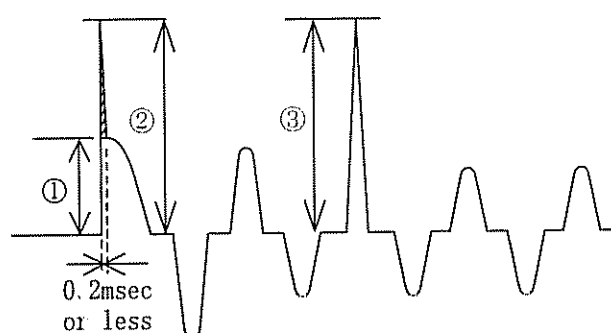
Model	ADA600F (ADA600F-30)	Temperature	25°C
Item	Inrush Current 突入電流	Testing Circuitry	Figure A
Object	_____		



Input Voltage 200 V
Frequency 60 Hz
Load 100 %

Inrush Current

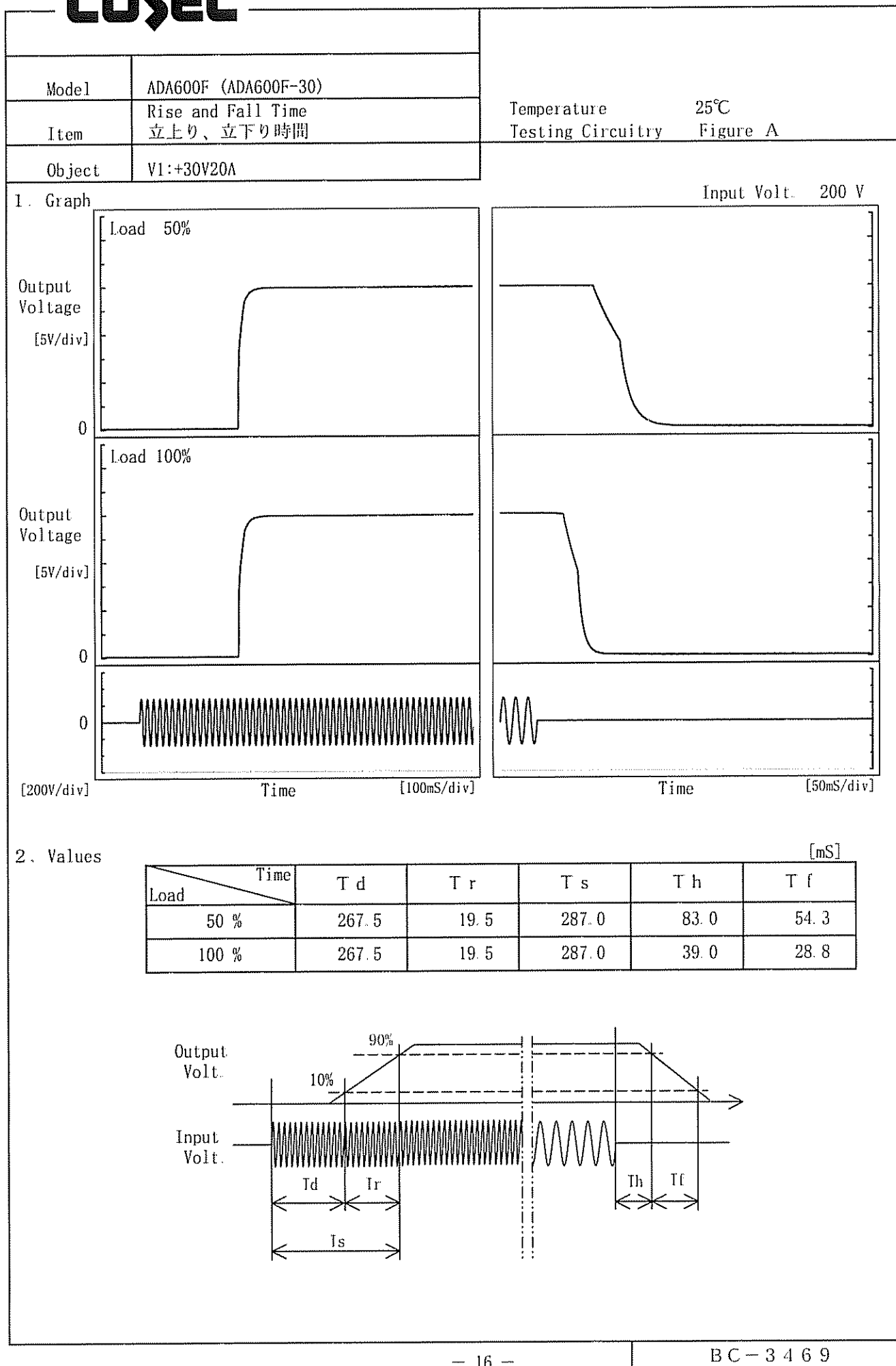
- ① 24.0 [A]
- ② 30.6 [A] (0.2msec or less)*1
- ③ 15.0 [A]



*1 The specification of the inrush current (primary surge) means that the surge current to a built-in noise filter (0.2msec or less : waveform ②) is excluded.

本製品の突入電流(1次サージ)の仕様は、内蔵ノイズフィルタ部へのサージ電流(0.2msec以下:波形②)を除きます。

COSEL

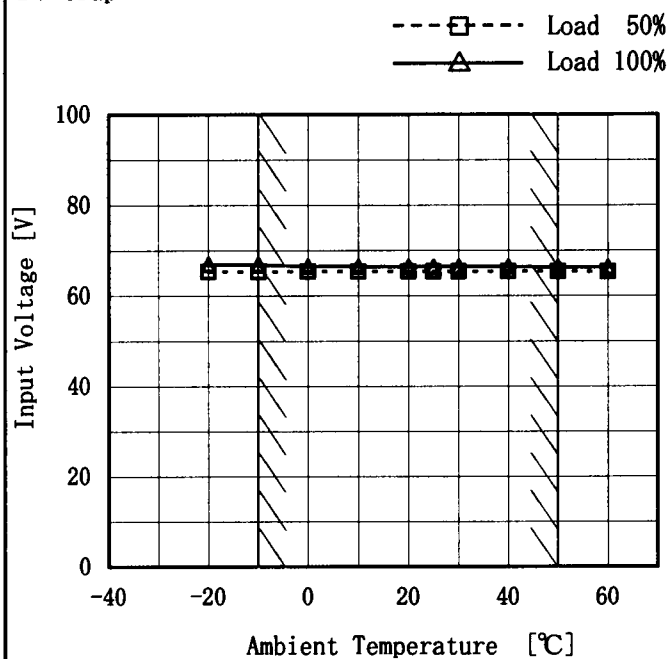


COSEL

		Testing Circuitry Figure A																																																					
Model	ADA600F (ADA600F-30)																																																						
Item	Ambient Temperature Drift 周囲温度変動																																																						
Object	V1:+30V20A																																																						
1. Graph		2. Values																																																					
<div><div>—△— Input Volt. 170 V</div><div>---□--- Input Volt. 200 V</div><div>-·-○-·- Input Volt. 264 V</div></div> <div><p>Output Voltage [V]</p><p>Ambient Temperature [°C]</p><p>Load 100%</p></div>		<table><tr><th rowspan="2">Ambient Temperature [°C]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 170[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 264[V]</th></tr><tr><td>-20</td><td>30.157</td><td>30.157</td><td>30.157</td></tr><tr><td>-10</td><td>30.157</td><td>30.157</td><td>30.157</td></tr><tr><td>0</td><td>30.154</td><td>30.153</td><td>30.155</td></tr><tr><td>10</td><td>30.157</td><td>30.157</td><td>30.157</td></tr><tr><td>20</td><td>30.157</td><td>30.157</td><td>30.158</td></tr><tr><td>25</td><td>30.151</td><td>30.152</td><td>30.152</td></tr><tr><td>30</td><td>30.148</td><td>30.147</td><td>30.148</td></tr><tr><td>40</td><td>30.139</td><td>30.139</td><td>30.139</td></tr><tr><td>50</td><td>30.125</td><td>30.127</td><td>30.127</td></tr><tr><td>60</td><td>30.122</td><td>30.122</td><td>30.122</td></tr><tr><td>--</td><td>—</td><td>—</td><td>—</td></tr></table>			Ambient Temperature [°C]	Output Voltage [V]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	-20	30.157	30.157	30.157	-10	30.157	30.157	30.157	0	30.154	30.153	30.155	10	30.157	30.157	30.157	20	30.157	30.157	30.158	25	30.151	30.152	30.152	30	30.148	30.147	30.148	40	30.139	30.139	30.139	50	30.125	30.127	30.127	60	30.122	30.122	30.122	--	—	—	—
Ambient Temperature [°C]	Output Voltage [V]																																																						
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]																																																				
-20	30.157	30.157	30.157																																																				
-10	30.157	30.157	30.157																																																				
0	30.154	30.153	30.155																																																				
10	30.157	30.157	30.157																																																				
20	30.157	30.157	30.158																																																				
25	30.151	30.152	30.152																																																				
30	30.148	30.147	30.148																																																				
40	30.139	30.139	30.139																																																				
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60	30.122	30.122	30.122																																																				
--	—	—	—																																																				
Note: Slanted line shows the range of the rated ambient temperature.																																																							
(注) 斜線は定格周囲温度範囲を示す。																																																							

Model	ADA600F (ADA600F-30)
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	V1:+30V20A

1. Graph



Note: Slanted line shows the range of the rated ambient temperature.

(注) 斜線は定格周囲温度範囲を示す。

Testing Circuitry Figure A

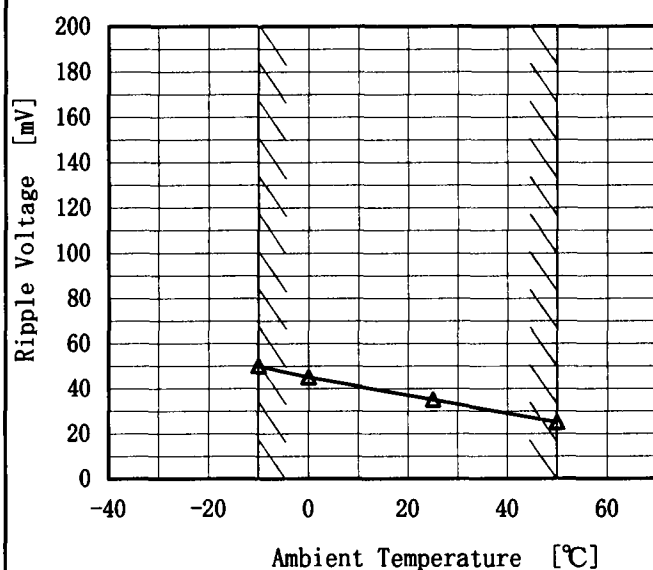
2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	65	67
-10	65	67
0	65	67
10	65	67
20	65	66
25	65	66
30	65	66
40	65	66
50	65	66
60	65	66
—	—	—

COSEL

Model	ADA600F (ADA600F-30)
Item	Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)
Object	V1:+30V20A

1. Graph



Input Volt. 200 V

Load 100 %

Note: Slanted line shows the range of the rated ambient temperature.

(注) 斜線は定格周囲温度範囲を示す。

Testing Circuitry Figure A

2. Values

Ambient Temperature [°C]	Ripple Voltage [mV]
-10	50
0	45
25	35
50	25
--	--
--	--
--	--
--	--
--	--
--	--
--	--

COSEL

Model	ADA600F (ADA600F-30)		
Item	Time Lapse Drift 経時ドリフト	Temperature	25℃
Object	V1:+30V20A	Testing Circuitry	Figure A
1. Graph		2. Values	
<div><div><div>Output Voltage [V]</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><di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		Testing Circuitry Figure A
Model	ADA600F (ADA600F-30)	
Item	Output Voltage Accuracy 定電圧精度	
Object	V1:+30V20A	

1. Output Voltage Accuracy

This is defined as the value of the output voltage, regulation load, ambient temperature and input voltage varied at random in the range as specified below.

Temperature : -10 ~ 50℃

Input Voltage : 170 ~ 264V

Load Current : 0 ~ 20A

* Output Voltage Accuracy = $\pm (\text{Maximum of Output Voltage} - \text{Minimum of Output Voltage}) / 2$

* Output Voltage Accuracy (Ration) = $\frac{\text{Output Voltage Accuracy}}{\text{Rated Output Voltage}} \times 100$

1. 定電圧精度

周囲温度、入力電圧、負荷電流を下記仕様内で、任意に変動させたときの出力電圧の変動をいう。

周囲温度 : -10 ~ 50℃

入力電圧 : 170 ~ 264V

負荷電流 : 0 ~ 20A

* 定電圧精度(変動値) = $\pm (\text{出力電圧の最高値} - \text{出力電圧の最低値}) / 2$

* 定電圧精度(変動率) = $\frac{\text{変動値}}{\text{定格出力電圧}} \times 100$

2. Values

Item	Temperature [℃]	Input Voltage [V]	Output		Output Voltage Accuracy	
			Current[A]	Voltage[V]	Value [mV]	Ration [%]
Maximum Voltage	-10	264	0	30.169	±22	±0.1
Minimum Voltage	50	170	20	30.125		

Model	ADA600F (ADA600F-30)				
Item	Leakage Current 漏洩電流			Temperature Testing Circuitry	25℃ Figure B
Object	_____				

1. Results

Standards	Leakage Current [mA]		
	Input Volt. 85 [V]	Input Volt. 100 [V]	Input Volt. 132 [V]
(A) DEN-AN	—	—	—
(B) IEC60950	—	—	—

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 240 [V]	Input Volt. 264 [V]
(B) IEC60950	0.31	0.44	0.51

2. Condition

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

交流入力 of 各相について測定し、その大きい方を漏洩電流測定値とする。

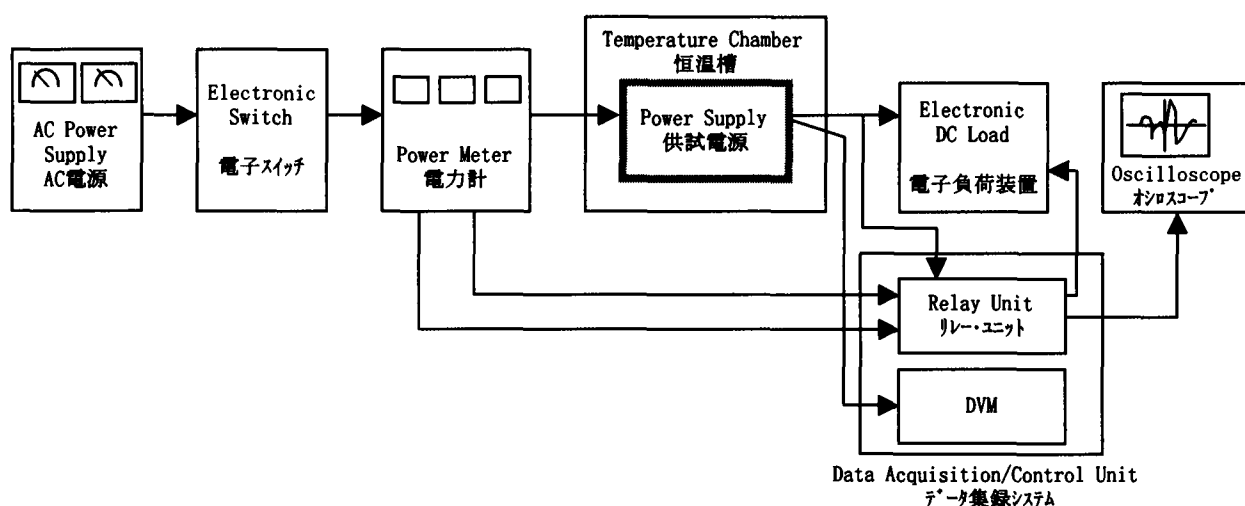


Figure A

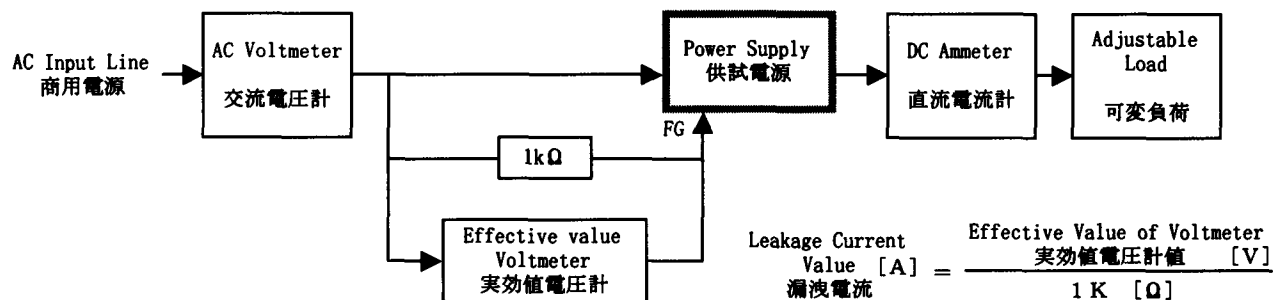


Figure B (DEN-AN)

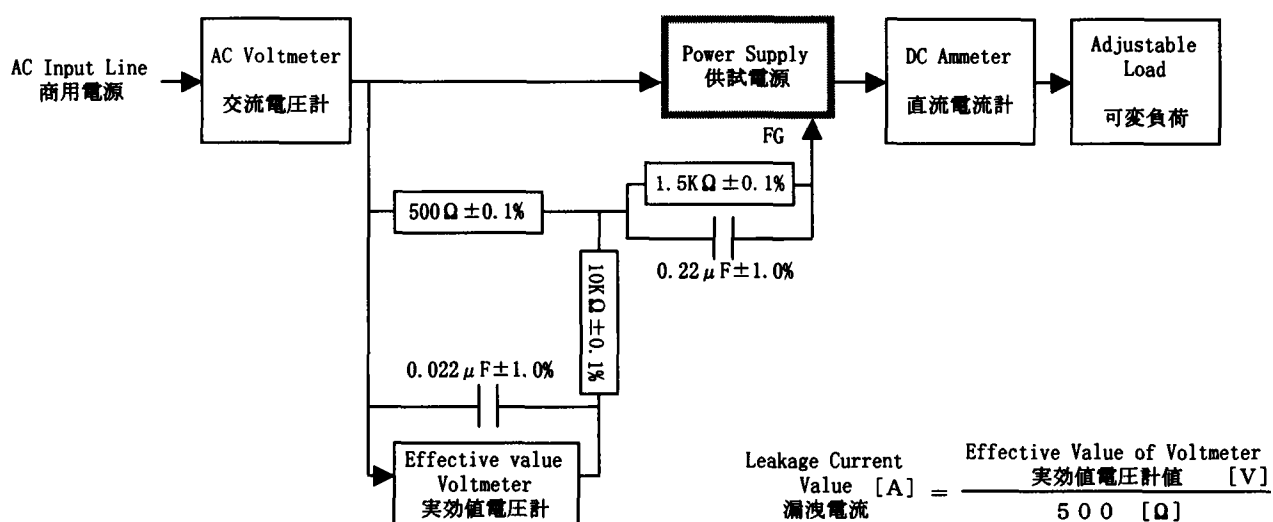


Figure B (IEC60950)