



TEST DATA OF M1T-IHGF-00

MAX1600T
(200V INPUT)Modular power supply
Jan. 22, 2002Approved by : Takahiro Yoneda
Takahiro Yoneda Design ManagerPrepared by : Haruki Morita
Haruki Morita Design Engineer

INPUT : AC 170~264V (3-phase)

OUTPUT : V1: 15V 27A
V2: 18V 22A
V3: 24V 17A
V4: 28V 14.5A**コーセル株式会社**
COSEL CO.,LTD.

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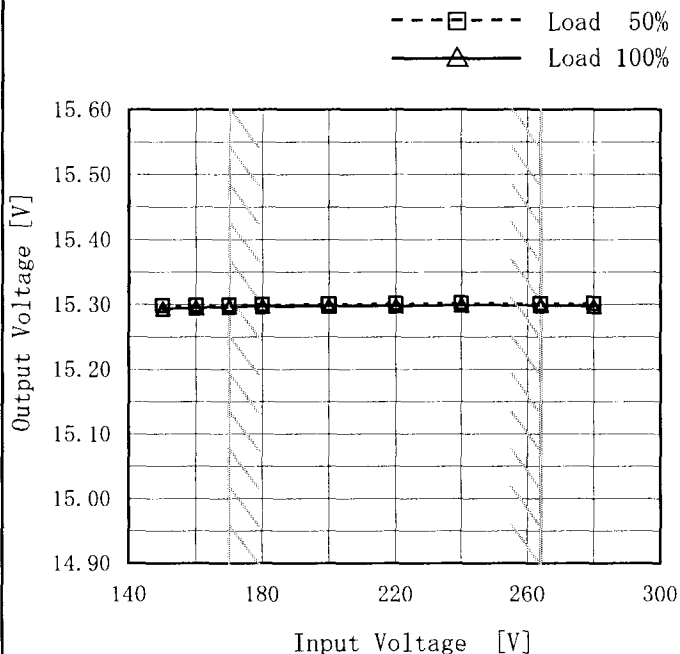
(Final Page 52)



Model	MIT-IHGF-00 (MAX1600T)
Item	Line Regulation 静の入力変動
Object	V1:+15V27A

Input AC 3-phase
Temperature 25°C
Testing Circuitry Figure A

1. Graph

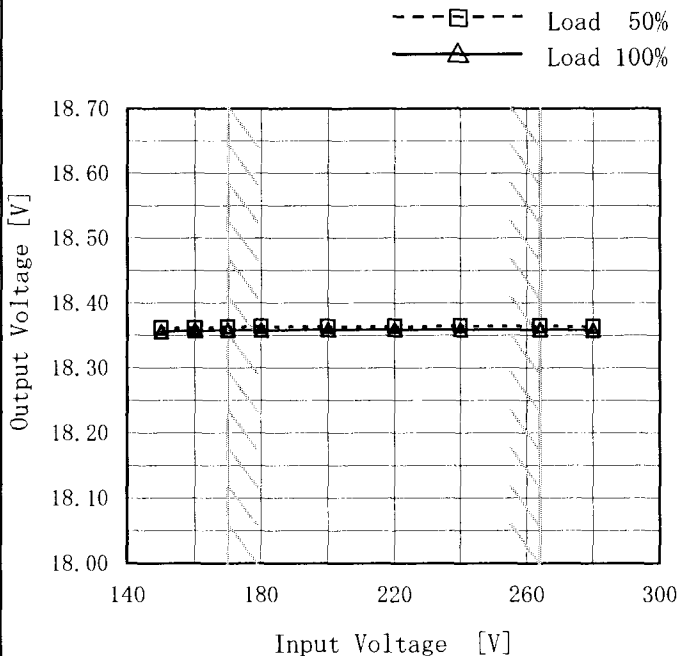


2. Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
150	15.298	15.294
160	15.299	15.295
170	15.299	15.296
180	15.300	15.297
200	15.301	15.298
220	15.301	15.298
240	15.302	15.299
264	15.302	15.299
280	15.301	15.297

Object	V2:+18V22A
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1. Graph

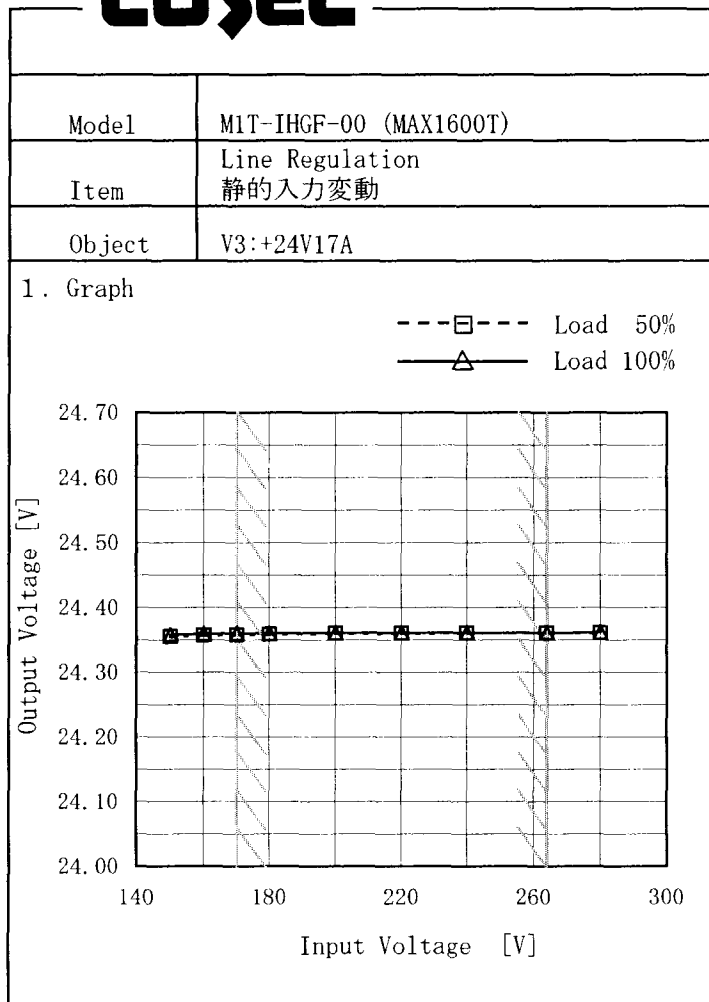


2. Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
150	18.361	18.356
160	18.362	18.357
170	18.363	18.358
180	18.364	18.358
200	18.364	18.359
220	18.364	18.359
240	18.365	18.359
264	18.364	18.359
280	18.364	18.358

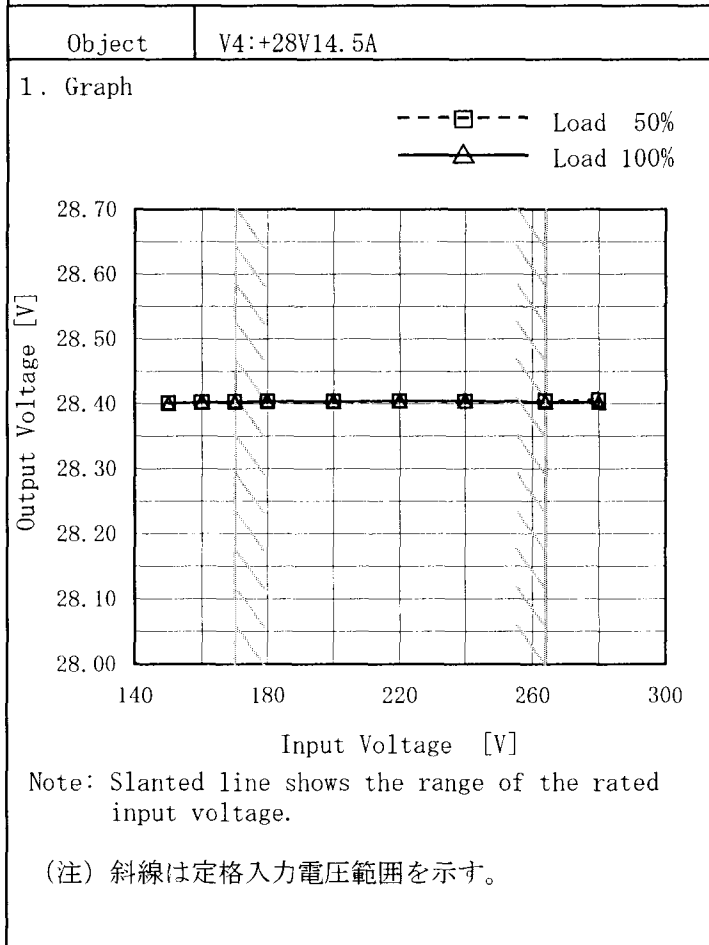
Note: Slanted line shows the range of the rated input voltage.

(注) 斜線は定格入力電圧範囲を示す。



2. Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
150	24.355	24.358
160	24.357	24.359
170	24.358	24.360
180	24.359	24.360
200	24.360	24.361
220	24.361	24.361
240	24.361	24.361
264	24.361	24.361
280	24.361	24.361



2. Values

Input Voltage [V]	Output Voltage [V]	
	Load 50%	Load 100%
150	28.402	28.401
160	28.402	28.403
170	28.404	28.403
180	28.404	28.404
200	28.404	28.403
220	28.405	28.404
240	28.404	28.404
264	28.404	28.403
280	28.406	28.402

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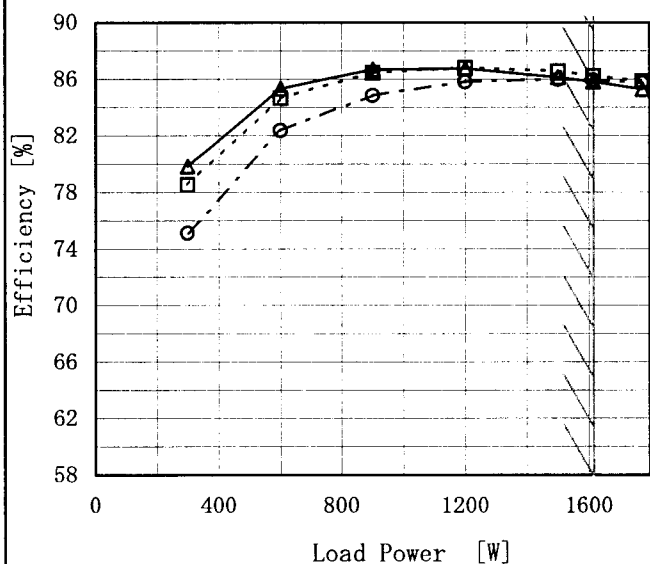


Model	MIT-IHGF-00 (MAX1600T)
Item	Efficiency (by Load Power) 効率 (負荷電力特性)
Object	_____

Input	AC 3-phase
Temperature	25°C
Testing Circuitry	Figure A

1. Graph

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



2. Values

Load Power [W]	Efficiency [%]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0.0	—	—	—
300.0	79.8	78.5	75.1
600.0	85.3	84.7	82.4
900.0	86.7	86.4	84.8
1200.0	86.8	86.8	85.8
1500.0	86.1	86.5	86.0
1615.0	85.8	86.2	85.9
1776.5	85.3	85.9	85.7
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<p>Model MIT-IHGF-00 (MAX1600T)</p>		<p>Input AC 3-phase</p>																																
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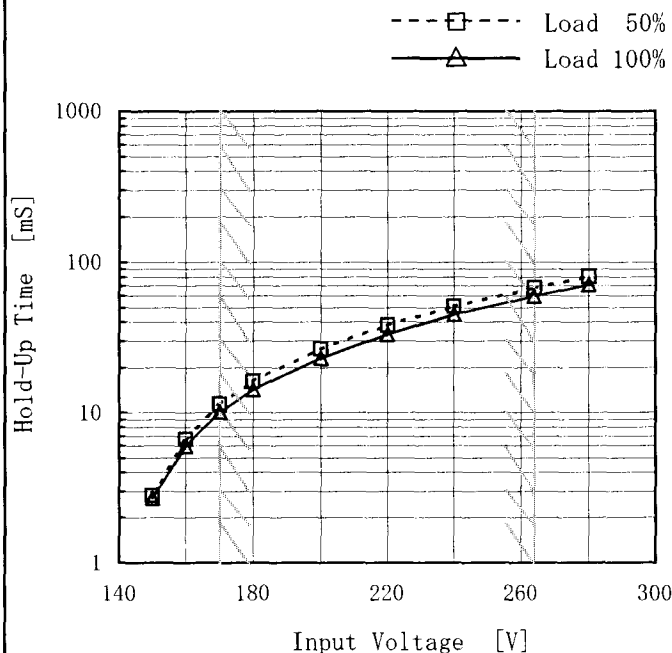
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Model	M1T-IHGF-00 (MAX1600T)
Item	Hold-Up Time 出力保持時間
Object	V4:+28V14.5A

Input	AC 3-phase
Temperature	25°C
Testing Circuitry	Figure A

1. Graph



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.

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。
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2. Values

Input Voltage [V]	Hold-Up Time [mS]	
	Load 50%	Load 100%
150	3	3
160	7	6
170	11	10
180	16	14
200	27	23
220	38	33
240	51	45
264	68	60
280	81	71



Model		MIT-IHGF-00 (MAX1600T)		Input		AC 3-phase																																																				
Item		Instantaneous Interruption Compensation (by Load Current) 瞬時停電保障(負荷電流特性)		Temperature		25°C																																																				
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<p>Model MIT-IHGF-00 (MAX1600T)</p> <p>Item Load Regulation 静的負荷変動</p> <p>Object V1:+15V27A</p>		<p>Input AC 3-phase</p> <p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																																																			
<p>1. Graph</p> <p>—△— Input Volt. 170 V</p> <p>---□--- Input Volt. 200 V</p> <p>---○--- Input Volt. 264 V</p> <p>Output Voltage [V]</p> <p>Load Current [A]</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</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> </thead> <tbody> <tr><td>0.0</td><td>15.304</td><td>15.305</td><td>15.307</td></tr> <tr><td>4.0</td><td>15.316</td><td>15.316</td><td>15.317</td></tr> <tr><td>8.0</td><td>15.312</td><td>15.313</td><td>15.313</td></tr> <tr><td>12.0</td><td>15.310</td><td>15.310</td><td>15.310</td></tr> <tr><td>16.0</td><td>15.307</td><td>15.307</td><td>15.307</td></tr> <tr><td>20.0</td><td>15.305</td><td>15.305</td><td>15.305</td></tr> <tr><td>24.0</td><td>15.302</td><td>15.303</td><td>15.302</td></tr> <tr><td>27.0</td><td>15.300</td><td>15.301</td><td>15.301</td></tr> <tr><td>29.7</td><td>15.299</td><td>15.300</td><td>15.299</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 Current [A]	Output Voltage [V]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	0.0	15.304	15.305	15.307	4.0	15.316	15.316	15.317	8.0	15.312	15.313	15.313	12.0	15.310	15.310	15.310	16.0	15.307	15.307	15.307	20.0	15.305	15.305	15.305	24.0	15.302	15.303	15.302	27.0	15.300	15.301	15.301	29.7	15.299	15.300	15.299	--	--	--	--	--	--	--	--
Load Current [A]	Output Voltage [V]																																																				
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]																																																		
0.0	15.304	15.305	15.307																																																		
4.0	15.316	15.316	15.317																																																		
8.0	15.312	15.313	15.313																																																		
12.0	15.310	15.310	15.310																																																		
16.0	15.307	15.307	15.307																																																		
20.0	15.305	15.305	15.305																																																		
24.0	15.302	15.303	15.302																																																		
27.0	15.300	15.301	15.301																																																		
29.7	15.299	15.300	15.299																																																		
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<p>Object V2:+18V22A</p> <p>1. Graph</p> <p>—△— Input Volt. 170 V</p> <p>---□--- Input Volt. 200 V</p> <p>---○--- Input Volt. 264 V</p> <p>Output Voltage [V]</p> <p>Load Current [A]</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</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> </thead> <tbody> <tr><td>0.0</td><td>18.363</td><td>18.363</td><td>18.365</td></tr> <tr><td>4.0</td><td>18.374</td><td>18.375</td><td>18.375</td></tr> <tr><td>8.0</td><td>18.369</td><td>18.371</td><td>18.371</td></tr> <tr><td>12.0</td><td>18.367</td><td>18.367</td><td>18.368</td></tr> <tr><td>16.0</td><td>18.365</td><td>18.364</td><td>18.365</td></tr> <tr><td>20.0</td><td>18.362</td><td>18.362</td><td>18.362</td></tr> <tr><td>22.0</td><td>18.361</td><td>18.361</td><td>18.361</td></tr> <tr><td>24.2</td><td>18.359</td><td>18.360</td><td>18.359</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 Current [A]	Output Voltage [V]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	0.0	18.363	18.363	18.365	4.0	18.374	18.375	18.375	8.0	18.369	18.371	18.371	12.0	18.367	18.367	18.368	16.0	18.365	18.364	18.365	20.0	18.362	18.362	18.362	22.0	18.361	18.361	18.361	24.2	18.359	18.360	18.359	--	--	--	--	--	--	--	--	--	--	--	--
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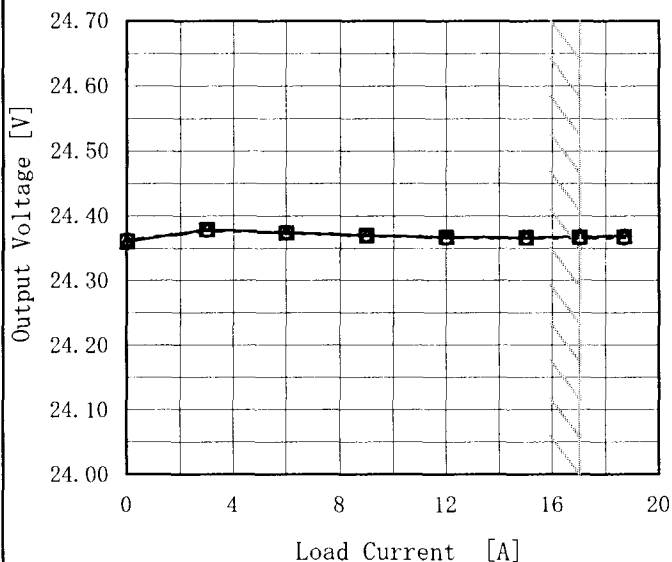


Model	MIT-IHGF-00 (MAX1600T)
Item	Load Regulation 静的負荷変動
Object	V3:+24V17A

Input AC 3-phase
Temperature 25°C
Testing Circuitry Figure A

1. Graph

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



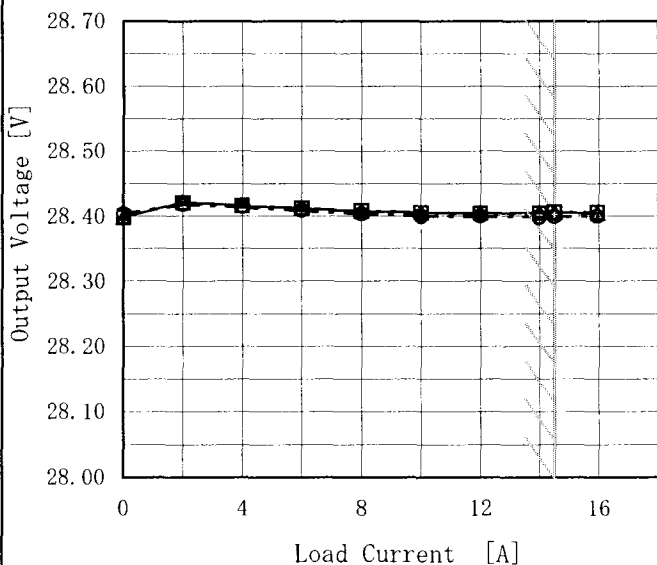
2. Values

Load Current [A]	Output Voltage [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0.0	24.360	24.360	24.363
3.0	24.379	24.379	24.377
6.0	24.374	24.374	24.374
9.0	24.370	24.369	24.370
12.0	24.367	24.367	24.367
15.0	24.367	24.366	24.365
17.0	24.368	24.367	24.365
18.7	24.369	24.368	24.366
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Object	V4:+28V14.5A
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1. Graph

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



2. Values

Load Current [A]	Output Voltage [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
0.00	28.398	28.399	28.403
2.00	28.421	28.420	28.418
4.00	28.416	28.416	28.414
6.00	28.412	28.412	28.408
8.00	28.408	28.408	28.403
10.00	28.405	28.405	28.400
12.00	28.405	28.404	28.399
14.00	28.405	28.405	28.398
14.50	28.405	28.406	28.399
15.95	28.404	28.406	28.399
--	--	--	--

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。



<p>Model MIT-IHGF-00 (MAX1600T)</p> <p>Item Ripple Voltage (by Load Current) リップル電圧 (負荷特性)</p> <p>Object V1:+15V27A</p>		<p>Input AC 3-phase</p> <p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																																						
<p>1. Graph</p> <p style="text-align: center;"> —△— Input Volt. 170 V ---○--- Input Volt. 264 V </p> <p style="text-align: center;">Ripple Voltage [mV]</p> <p style="text-align: center;">Load Current [A]</p> <p>Ripple Voltage is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p> <p>リップル電圧は、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。</p> <p style="text-align: center;"> T1: Due to AC Input Line 入力商用周期 T2: Due to Switching スイッチング周期 </p> <p style="text-align: center;">Ripple [mVp-p]</p> <p style="text-align: center;">T1</p> <p style="text-align: center;">T2</p> <p style="text-align: center;">Fig. Complex Ripple Wave Form 図 リップル波形詳細図</p>		<p>2. Values</p> <table border="1"> <thead> <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> </thead> <tbody> <tr><td>0.0</td><td>5</td><td>5</td></tr> <tr><td>5.4</td><td>10</td><td>10</td></tr> <tr><td>10.8</td><td>10</td><td>10</td></tr> <tr><td>16.2</td><td>10</td><td>10</td></tr> <tr><td>21.6</td><td>10</td><td>10</td></tr> <tr><td>27.0</td><td>10</td><td>10</td></tr> <tr><td>29.7</td><td>10</td><td>10</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> </tbody> </table>	Load Current [A]	Ripple Output Voltage [mV]		Input Volt. 170[V]	Input Volt. 264[V]	0.0	5	5	5.4	10	10	10.8	10	10	16.2	10	10	21.6	10	10	27.0	10	10	29.7	10	10	--	--	--	--	--	--	--	--	--	--	--	--
Load Current [A]	Ripple Output Voltage [mV]																																							
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0.0	5	5																																						
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<p>Model MIT-IHGF-00 (MAX1600T)</p>		<p>Input AC 3-phase</p>																																						
<p>Item Ripple Voltage (by Load Current) リップル電圧 (負荷特性)</p>		<p>Temperature 25°C</p>																																						
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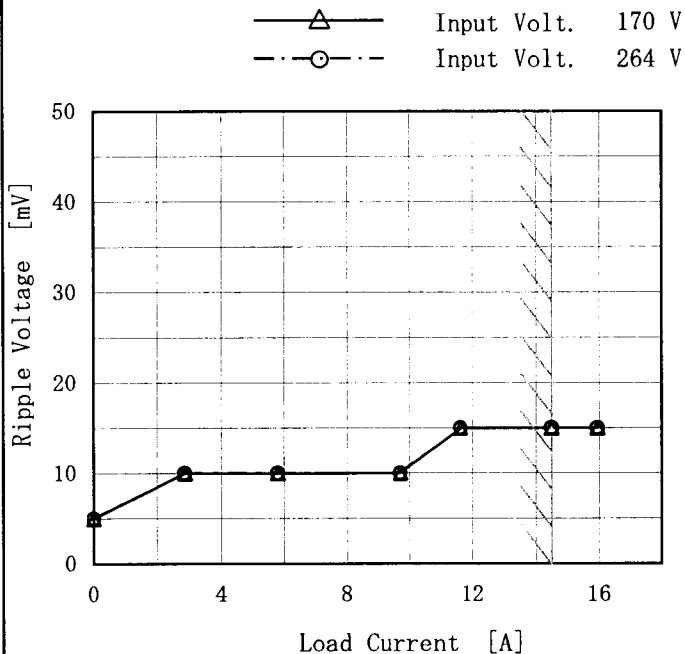
		Input	AC 3-phase																																						
Model	MIT-IHGF-00 (MAX1600T)	Temperature	25°C																																						
Item	Ripple Voltage (by Load Current) リップル電圧 (負荷特性)	Testing Circuitry	Figure A																																						
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Model	MIT-IHGF-00 (MAX1600T)
Item	Ripple Voltage (by Load Current) リップル電圧 (負荷特性)
Object	V4:+28V14.5A

Input	AC 3-phase
Temperature	25°C
Testing Circuitry	Figure A

1. Graph



2. Values

Load Current [A]	Ripple Output Voltage [mV]	
	Input Volt. 170[V]	Input Volt. 264[V]
0.00	5	5
2.90	10	10
5.80	10	10
9.70	10	10
11.60	15	15
14.50	15	15
15.95	15	15
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Ripple Voltage is shown as p-p in the figure below.

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

リップル電圧は、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

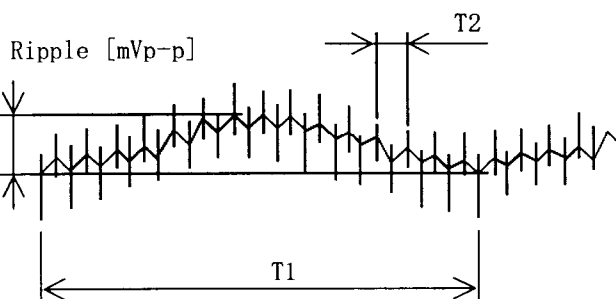


Fig. Complex Ripple Wave Form
図 リップル波形詳細図

<p>Model MIT-IHGF-00 (MAX1600T)</p> <p>Item Ripple-Noise リップルノイズ</p> <p>Object V1:+15V27A</p>		<p>Input AC 3-phase</p> <p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																																						
<p>1. Graph</p> <div style="text-align: center;"> <p>—△— Input Volt. 170 V</p> <p>- -○- - Input Volt. 264 V</p> </div> <p>Ripple-Noise is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p> <p>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。</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="2">Ripple-Noise [mV]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>25</td><td>25</td></tr> <tr><td>5.4</td><td>30</td><td>30</td></tr> <tr><td>10.8</td><td>35</td><td>40</td></tr> <tr><td>16.2</td><td>40</td><td>40</td></tr> <tr><td>21.6</td><td>45</td><td>45</td></tr> <tr><td>27.0</td><td>50</td><td>50</td></tr> <tr><td>29.7</td><td>50</td><td>55</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> </tbody> </table>	Load Current [A]	Ripple-Noise [mV]		Input Volt. 170[V]	Input Volt. 264[V]	0.0	25	25	5.4	30	30	10.8	35	40	16.2	40	40	21.6	45	45	27.0	50	50	29.7	50	55	--	--	--	--	--	--	--	--	--	--	--	--
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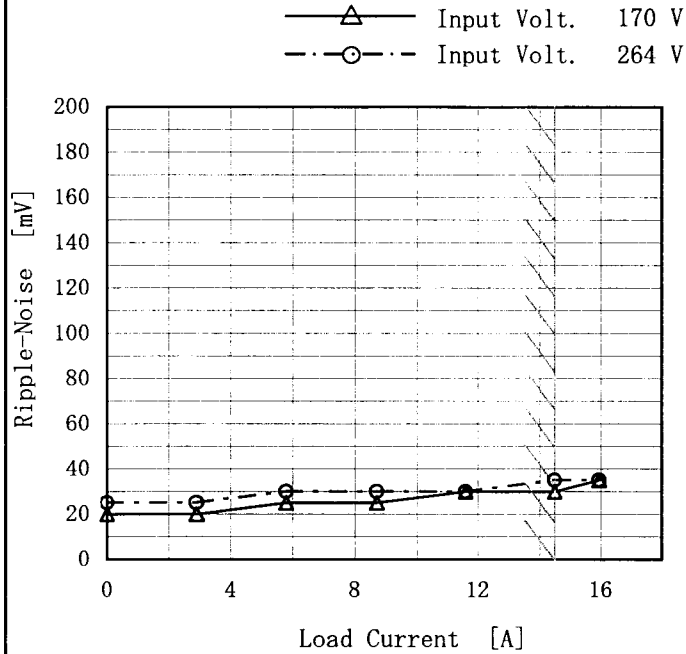
<p>Model MIT-IHGF-00 (MAX1600T)</p> <p>Item Ripple-Noise リップルノイズ</p> <p>Object V2:+18V22A</p>		<p>Input AC 3-phase</p> <p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																																						
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<p>Model MIT-IHGF-00 (MAX1600T)</p> <p>Item Ripple-Noise リップルノイズ</p> <p>Object V3:+24V17A</p>		<p>Input AC 3-phase</p> <p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																																						
<p>1. Graph</p> <p>—△— Input Volt. 170 V</p> <p>- -○- - Input Volt. 264 V</p> <p>Ripple-Noise is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p> <p>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。</p> <p>T1: Due to AC Input Line 入力商用周期</p> <p>T2: Due to Switching スイッチング周期</p> <p>Fig. Complex Ripple Wave Form 図 リップル波形詳細図</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Current [A]</th> <th colspan="2">Ripple-Noise [mV]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>20</td><td>25</td></tr> <tr><td>3.4</td><td>30</td><td>35</td></tr> <tr><td>6.8</td><td>35</td><td>40</td></tr> <tr><td>10.2</td><td>40</td><td>45</td></tr> <tr><td>13.6</td><td>45</td><td>45</td></tr> <tr><td>17.0</td><td>45</td><td>45</td></tr> <tr><td>18.7</td><td>45</td><td>50</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> </tbody> </table>	Load Current [A]	Ripple-Noise [mV]		Input Volt. 170[V]	Input Volt. 264[V]	0.0	20	25	3.4	30	35	6.8	35	40	10.2	40	45	13.6	45	45	17.0	45	45	18.7	45	50	--	--	--	--	--	--	--	--	--	--	--	--
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Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Ripple-Noise リップルノイズ	Temperature	25°C
Object	V4:+28V14.5A	Testing Circuitry	Figure A

1. Graph



2. Values

Load Current [A]	Ripple-Noise [mV]	
	Input Volt. 170[V]	Input Volt. 264[V]
0.00	20	25
2.90	20	25
5.80	25	30
8.70	25	30
11.60	30	30
14.50	30	35
15.95	35	35
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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

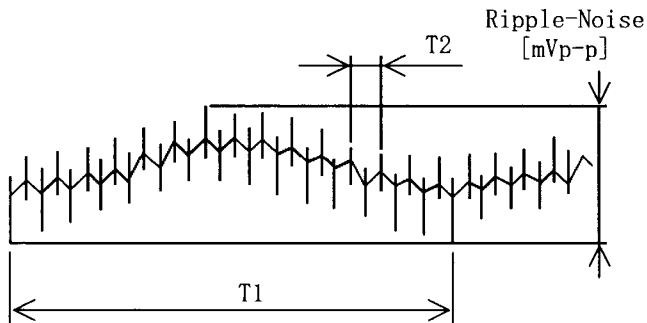


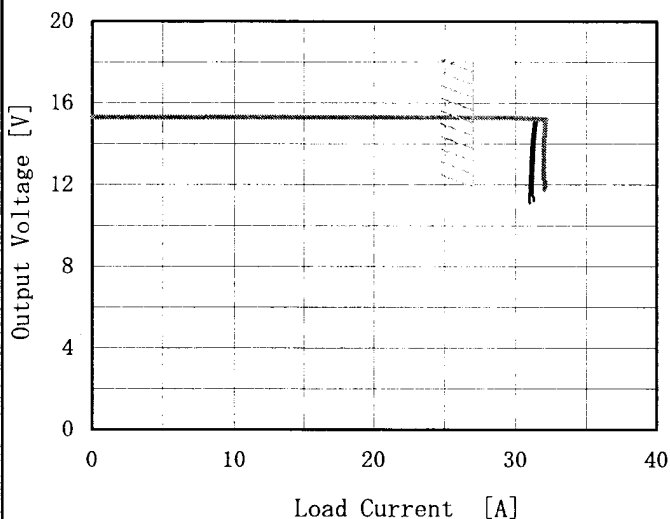
Fig. Complex Ripple Wave Form
 図 リップル波形詳細図



Model	MIT-IHGF-00 (MAX1600T)
Item	Overcurrent Protection 過電流保護
Object	V1:+15V27A

Input AC 3-phase
Temperature 25°C
Testing Circuitry Figure A

1. Graph
 _____ Input Volt. 170 V
 _____ Input Volt. 200 V
 _____ Input Volt. 264 V



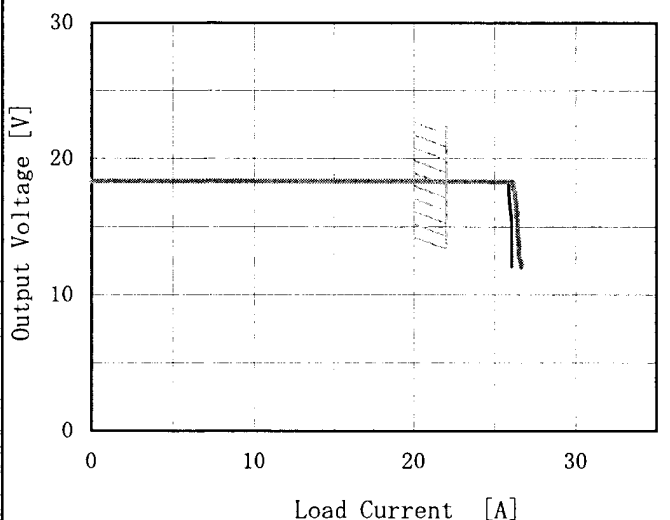
Intermittent operation occurs when the output voltage is from 11V to 0V.

2. Values

Output Voltage [V]	Load Current [A]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
15.00	31.34	31.55	32.13
14.25	31.17	31.35	32.02
13.50	31.09	31.29	31.98
12.00	31.00	31.20	32.08
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Object	V2:+18V22A
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1. Graph
 _____ Input Volt. 170 V
 _____ Input Volt. 200 V
 _____ Input Volt. 264 V



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。

Intermittent operation occurs when the output voltage is from 10V to 0V.

2. Values

Output Voltage [V]	Load Current [A]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
18.0	25.84	25.89	26.14
17.1	25.86	25.92	26.27
16.2	25.93	25.99	26.33
14.4	26.04	26.04	26.43
12.6	26.03	26.06	26.55
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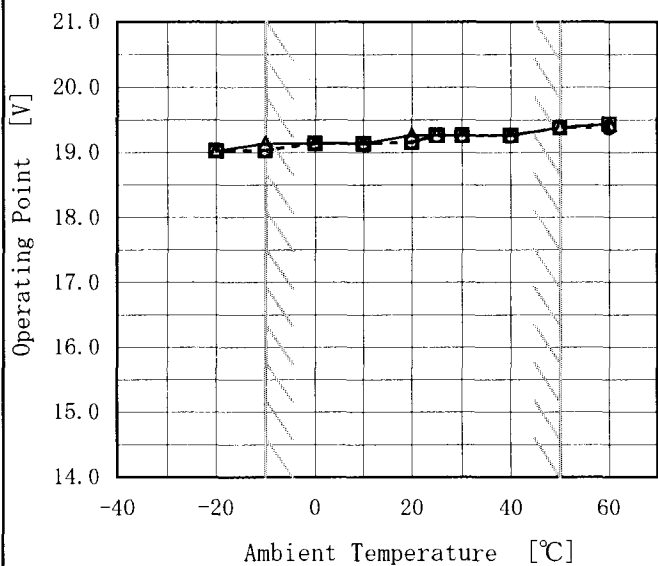
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Model	M1T-IHGF-00 (MAX1600T)
Item	Overvoltage Protection 過電圧保護
Object	V1:+15V27A

Input AC 3-phase
Testing Circuitry Figure A

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

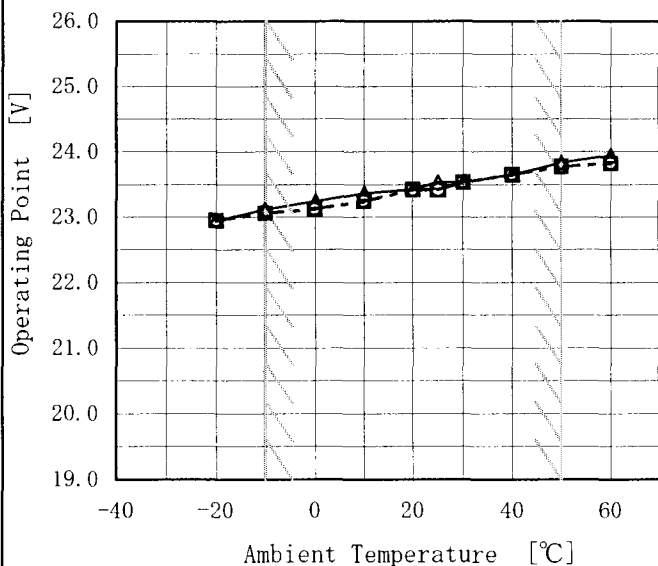


2. Values

Ambient Temperature [°C]	Operating Point [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	19.03	19.03	19.03
-10	19.14	19.03	19.03
0	19.14	19.14	19.14
10	19.14	19.14	19.14
20	19.26	19.15	19.15
25	19.26	19.26	19.26
30	19.26	19.26	19.26
40	19.26	19.26	19.26
50	19.38	19.38	19.38
60	19.43	19.43	19.37
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Object	V2:+18V22A
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1. Graph
 —△— Input Volt. 170 V
 ---□--- Input Volt. 200 V
 -·-○-·- Input Volt. 264 V



2. Values

Ambient Temperature [°C]	Operating Point [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	22.95	22.95	22.95
-10	23.12	23.06	23.06
0	23.24	23.12	23.12
10	23.36	23.24	23.24
20	23.42	23.42	23.42
25	23.53	23.41	23.41
30	23.53	23.53	23.53
40	23.65	23.65	23.65
50	23.83	23.77	23.77
60	23.94	23.82	23.82
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Note: Slanted line shows the range of the rated ambient temperature.

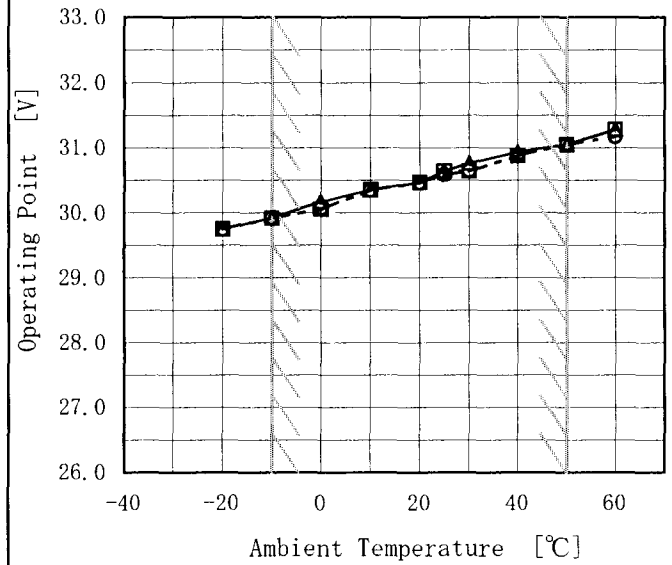
(注) 斜線は定格周囲温度範囲を示す。



Model	M1T-IHGF-00 (MAX1600T)
Item	Overvoltage Protection 過電圧保護
Object	V3:+24V17A

Input AC 3-phase
Testing Circuitry Figure A

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

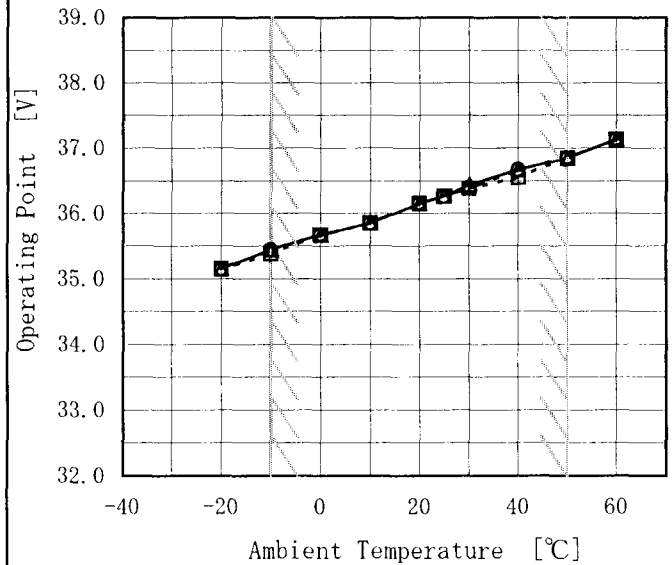


2. Values

Ambient Temperature [°C]	Operating Point [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	29.75	29.75	29.75
-10	29.92	29.92	29.92
0	30.17	30.05	30.05
10	30.35	30.35	30.35
20	30.47	30.47	30.47
25	30.64	30.64	30.58
30	30.76	30.64	30.64
40	30.93	30.88	30.88
50	31.05	31.05	31.05
60	31.28	31.28	31.17
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Object	V4:+28V14.5A
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1. Graph
 —△— Input Volt. 170 V
 - - - □ - - - Input Volt. 200 V
 - - - ○ - - - Input Volt. 264 V



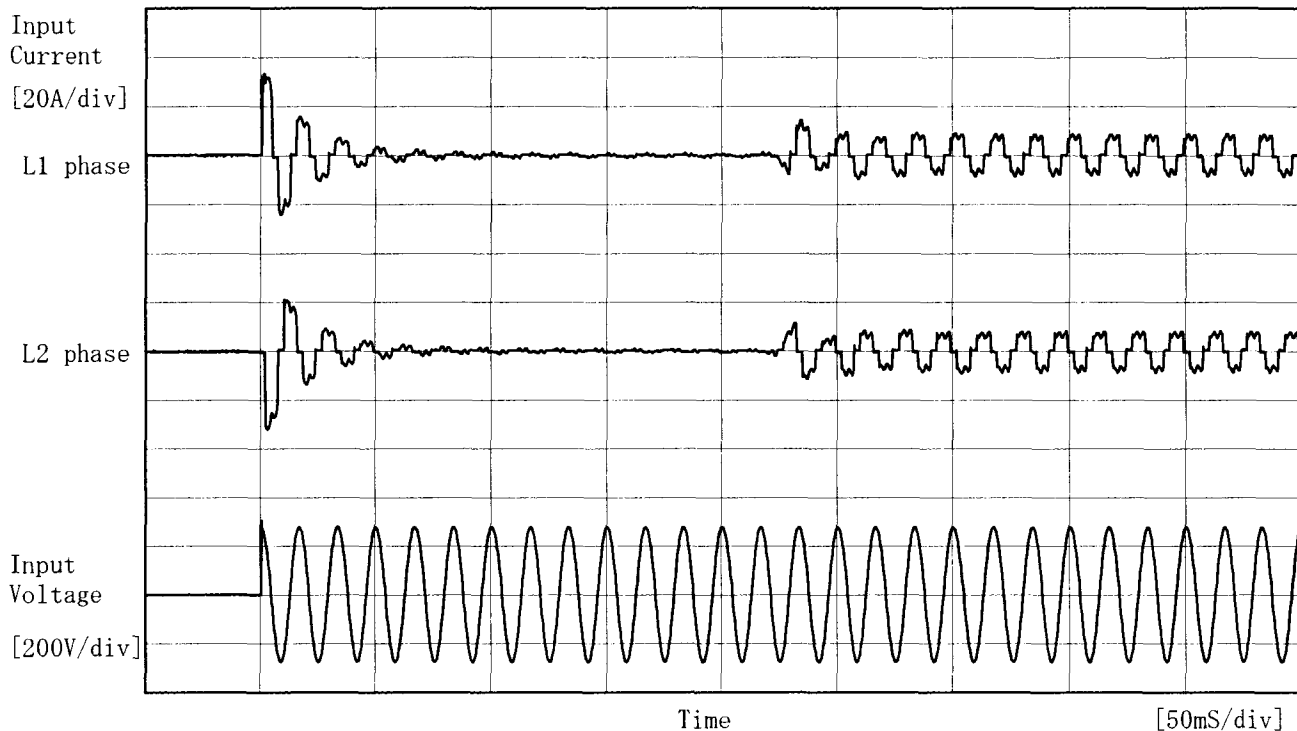
2. Values

Ambient Temperature [°C]	Operating Point [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	35.15	35.15	35.15
-10	35.44	35.38	35.44
0	35.67	35.67	35.67
10	35.85	35.85	35.85
20	36.15	36.15	36.15
25	36.26	36.26	36.26
30	36.44	36.38	36.38
40	36.67	36.55	36.67
50	36.85	36.85	36.85
60	37.13	37.13	37.13
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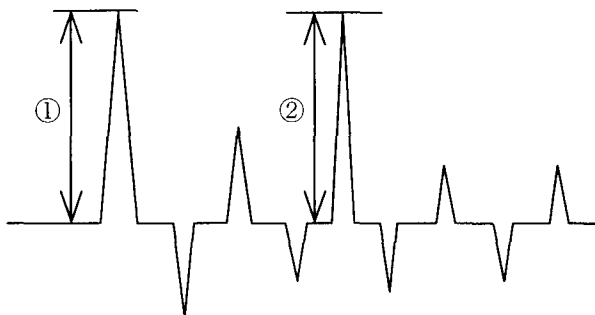
Note: Slanted line shows the range of the rated ambient temperature.

(注) 斜線は定格周囲温度範囲を示す。

Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Inrush Current 突入電流	Temperature	25°C
Object	_____	Testing Circuitry	Figure A



Input Voltage 200 V
 Frequency 60 Hz
 Load 100 %
 Inrush Current
 ① 33.2 [A]
 ② 14.4 [A]





Model	M1T-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Dynamic Load Responce 動的負荷変動	Temperature	25°C
Object	V1: +15V27A	Testing Circuitry	Figure A

Input Volt. 200 V

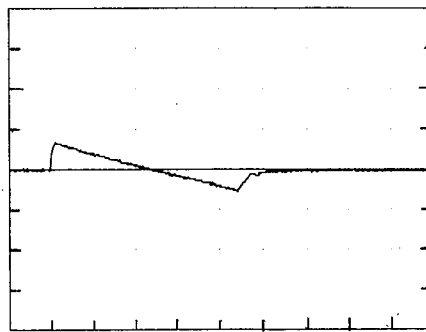
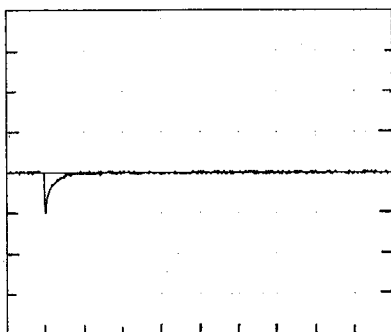
Cycle 1000 mS

Load Current



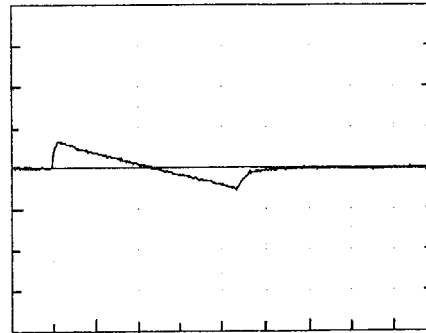
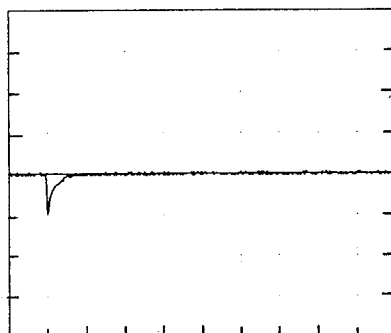
Load 0 % ↔

Load 100 %



Load 0 % ↔

Load 50 %



500 mV/div

5 mS/div

COSEL

Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Dynamic Load Responce 動的負荷変動	Temperature	25°C
Object	V2: +18V22A	Testing Circuitry	Figure A

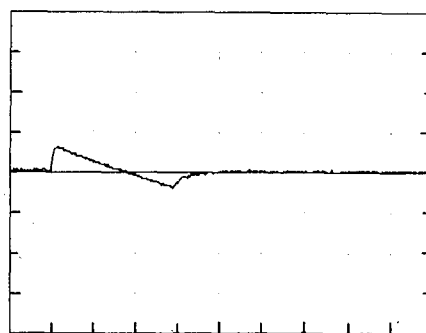
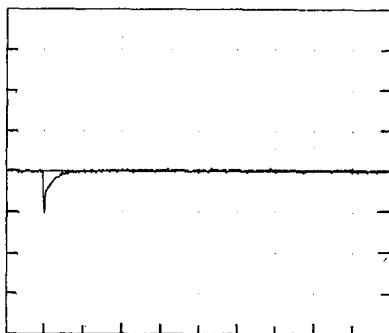
Input Volt. 200 V

Cycle 1000 mS

Load Current

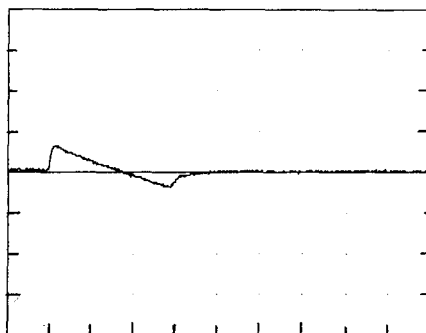
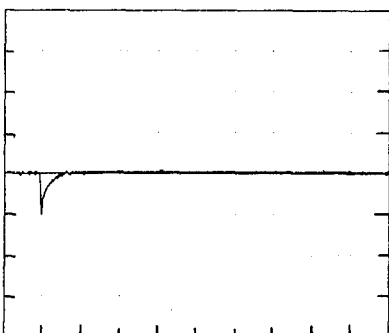
Load 0 % ↔

Load 100 %



Load 0 % ↔

Load 50 %



500 mV/div

5 mS/div



Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Dynamic Load Responce 動的負荷変動	Temperature	25°C
Object	V3: +24V17A	Testing Circuitry	Figure A

Input Volt. 200 V

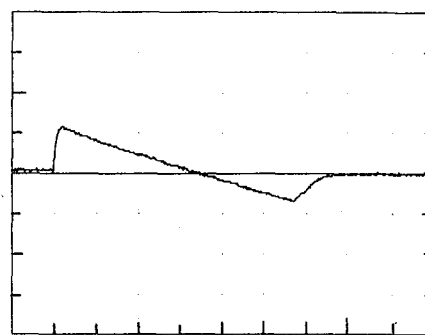
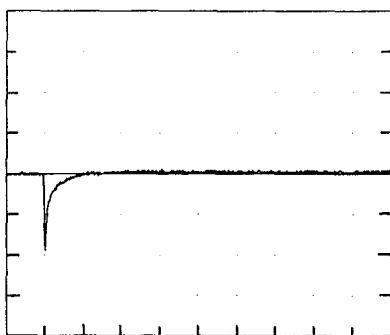
Cycle 1000 mS

Load Current



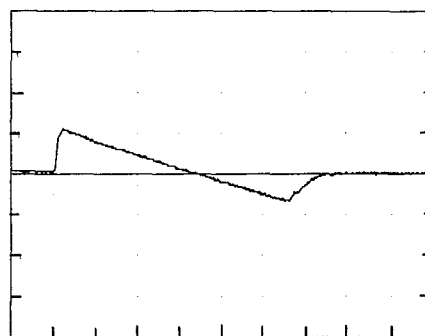
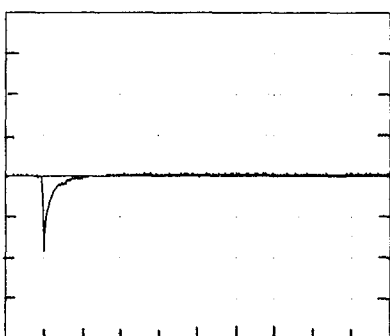
Load 0 % ↔

Load 100 %



Load 0 % ↔

Load 50 %



500 mV/div

5 mS/div

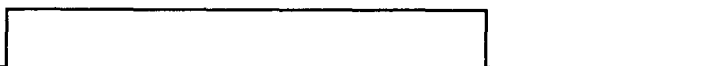


Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Dynamic Load Responce 動的負荷変動	Temperature	25°C
Object	V4: +28V 14.5A	Testing Circuitry	Figure A

Input Volt. 200 V

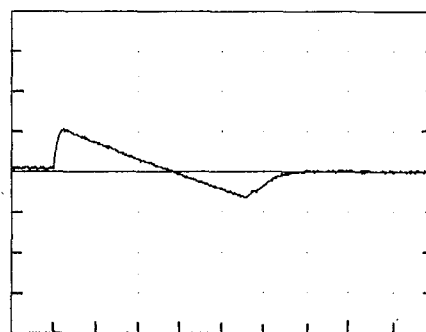
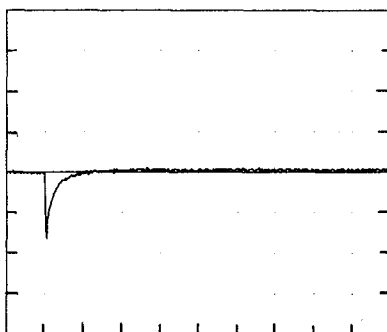
Cycle 1000 mS

Load Current



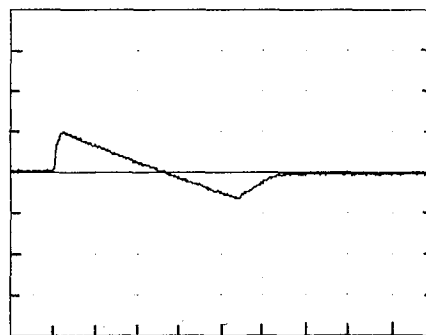
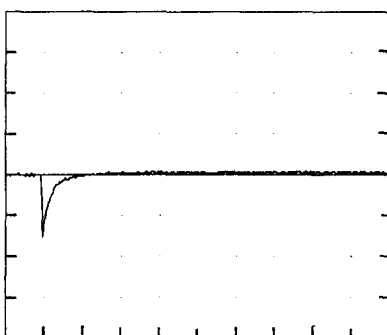
Load 0 % ↔

Load 100 %



Load 0 % ↔

Load 50 %



500 mV/div

5 mS/div

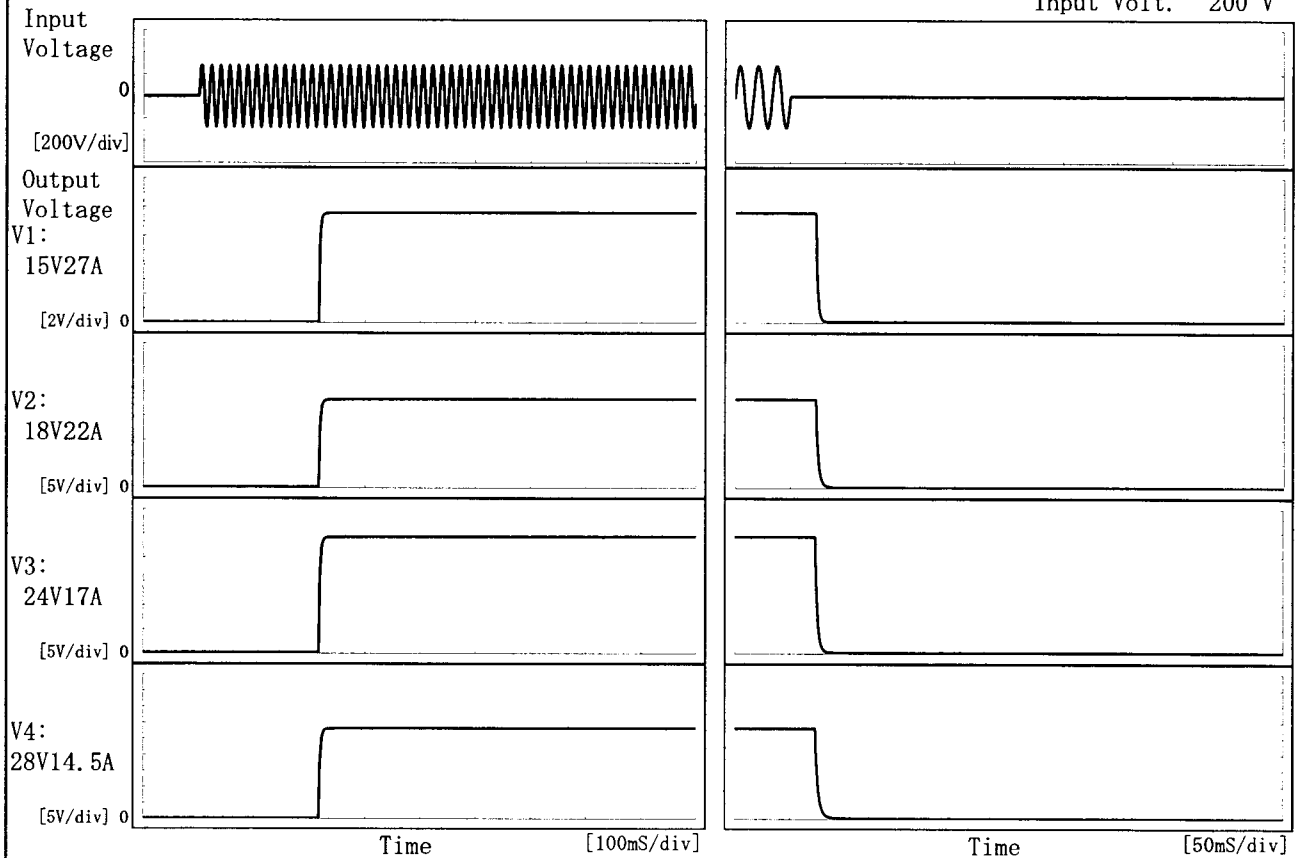


Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Rise and Fall Time 立上り、立下り時間	Temperature	25°C
Object	_____	Testing Circuitry	Figure A

1. Graph

Load 100%

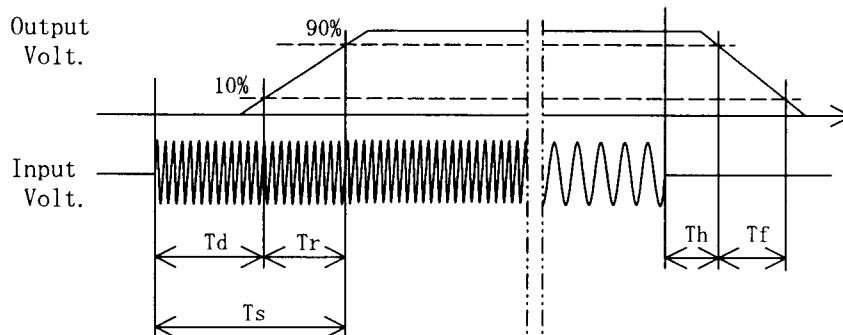
Input Volt. 200 V



2. Values

[mS]

Load \ Time	T _d	T _r	T _s	T _h	T _f
V1	218.5	4.5	223.0	23.5	3.5
V2	218.5	5.5	224.0	23.8	5.0
V3	218.5	5.5	224.0	23.8	4.5
V4	218.5	6.5	225.0	23.8	6.3



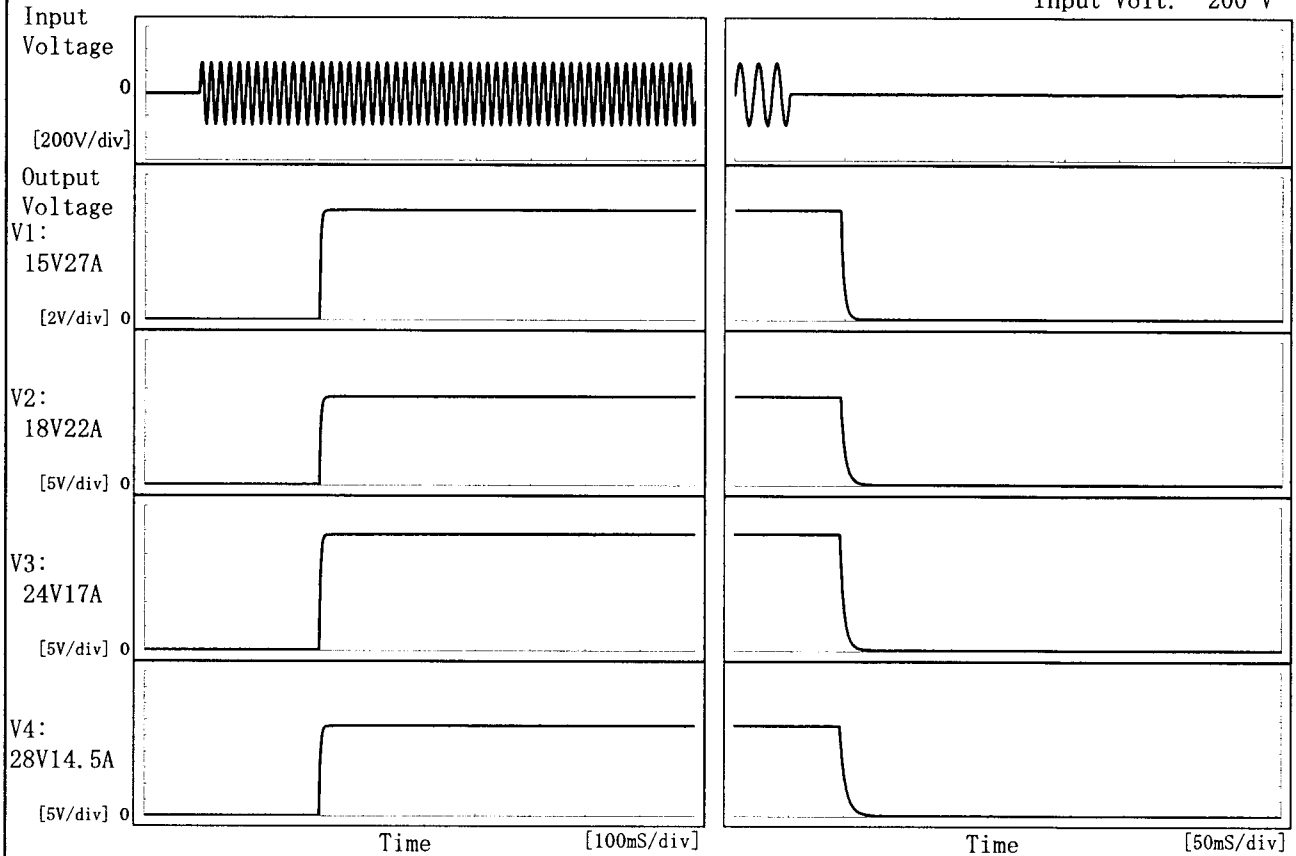


Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Rise and Fall Time 立上り、立下り時間	Temperature	25°C
Object		Testing Circuitry	Figure A

1. Graph

Load 50%

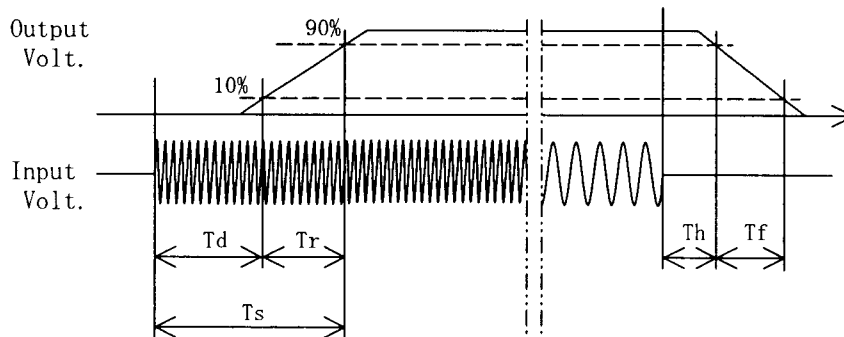
Input Volt. 200 V



2. Values

[mS]

Load \ Time	T _d	T _r	T _s	T _h	T _f
V1	218.5	4.5	223.0	46.5	6.8
V2	218.5	5.5	224.0	46.8	9.8
V3	218.5	5.5	224.0	46.8	9.0
V4	218.5	6.5	225.0	46.8	12.5



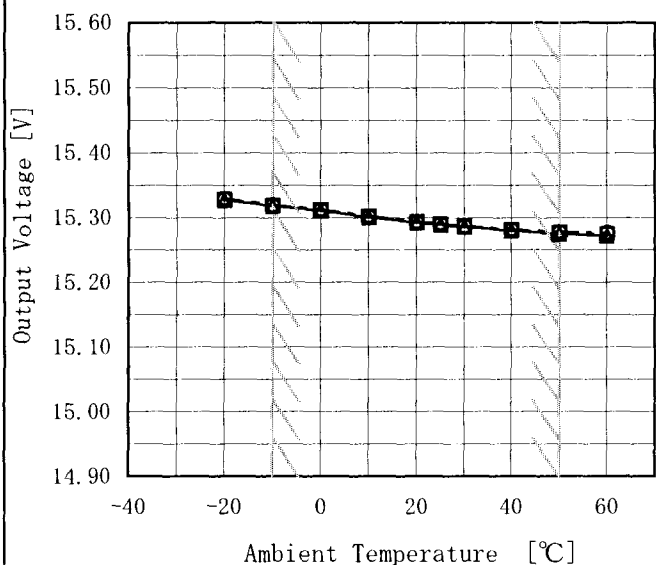


Model	MIT-IHGF-00 (MAX1600T)
Item	Ambient Temperature Drift 周囲温度変動
Object	V1:+15V27A

Input AC 3-phase
Testing Circuitry Figure A

1. Graph

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



Load 100%

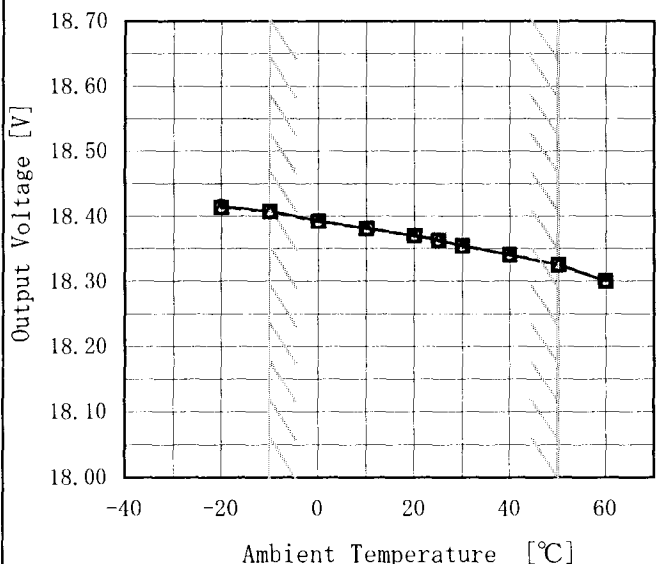
2. Values

Ambient Temperature [°C]	Output Voltage [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	15.327	15.328	15.329
-10	15.318	15.319	15.319
0	15.311	15.312	15.312
10	15.301	15.302	15.302
20	15.293	15.294	15.293
25	15.289	15.290	15.291
30	15.286	15.287	15.287
40	15.280	15.281	15.281
50	15.275	15.277	15.278
60	15.272	15.275	15.277
--	--	--	--

Object	V2:+18V22A
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1. Graph

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



Load 100%

2. Values

Ambient Temperature [°C]	Output Voltage [V]		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
-20	18.415	18.413	18.415
-10	18.408	18.407	18.408
0	18.393	18.392	18.393
10	18.382	18.381	18.381
20	18.370	18.370	18.370
25	18.363	18.363	18.364
30	18.354	18.354	18.354
40	18.341	18.341	18.341
50	18.325	18.325	18.325
60	18.300	18.300	18.300
--	--	--	--

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。



<p>Model MIT-IHGF-00 (MAX1600T)</p>		<p>Input AC 3-phase</p>																																																				
<p>Item Ambient Temperature Drift 周囲温度変動</p>		<p>Testing Circuitry Figure A</p>																																																				
<p>Object V3:+24V17A</p>																																																						
<p>1. Graph</p> <p> —△— Input Volt. 170 V - - - □ - - - Input Volt. 200 V - - - ○ - - - Input Volt. 264 V </p> <p>Output Voltage [V]</p> <p>Ambient Temperature [°C]</p> <p>Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <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> </thead> <tbody> <tr><td>-20</td><td>24.429</td><td>24.431</td><td>24.430</td></tr> <tr><td>-10</td><td>24.409</td><td>24.410</td><td>24.409</td></tr> <tr><td>0</td><td>24.376</td><td>24.378</td><td>24.378</td></tr> <tr><td>10</td><td>24.364</td><td>24.364</td><td>24.365</td></tr> <tr><td>20</td><td>24.356</td><td>24.357</td><td>24.357</td></tr> <tr><td>25</td><td>24.355</td><td>24.355</td><td>24.356</td></tr> <tr><td>30</td><td>24.354</td><td>24.355</td><td>24.355</td></tr> <tr><td>40</td><td>24.352</td><td>24.354</td><td>24.354</td></tr> <tr><td>50</td><td>24.348</td><td>24.350</td><td>24.351</td></tr> <tr><td>60</td><td>24.348</td><td>24.348</td><td>24.348</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>		Ambient Temperature [°C]	Output Voltage [V]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	-20	24.429	24.431	24.430	-10	24.409	24.410	24.409	0	24.376	24.378	24.378	10	24.364	24.364	24.365	20	24.356	24.357	24.357	25	24.355	24.355	24.356	30	24.354	24.355	24.355	40	24.352	24.354	24.354	50	24.348	24.350	24.351	60	24.348	24.348	24.348	--	--	--	--
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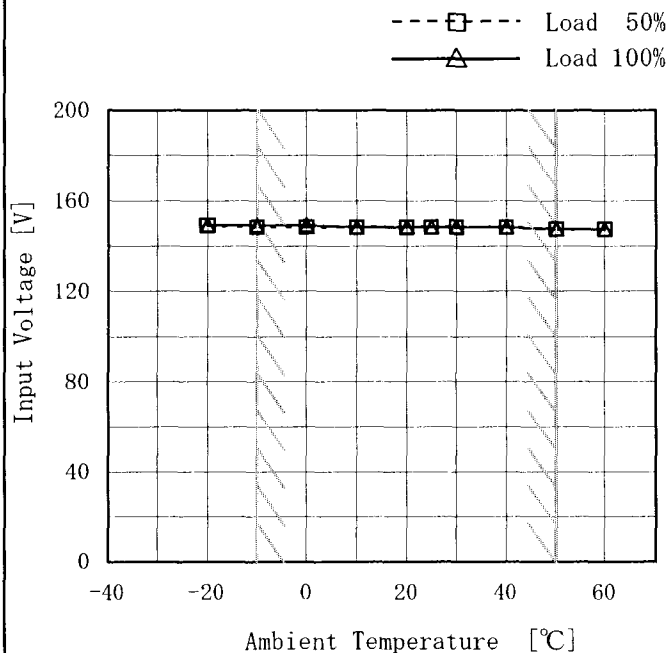
<p>Model MIT-IHGF-00 (MAX1600T)</p>		<p>Input AC 3-phase Testing Circuitry Figure A</p>																																						
<p>Item</p>	<p>Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧</p>																																							
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40	149	149																																						
50	147	147																																						
60	148	147																																						
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<p>Object V2:+18V22A</p>		<p>Input AC 3-phase Testing Circuitry Figure A</p>																																						
<p>Item</p>	<p>Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧</p>																																							
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Ambient Temperature [°C]	Input Voltage [V]																																							
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Model	MIT-IHGF-00 (MAX1600T)
Item	Minimum Input Voltage for Regulated Output Voltage 最低レギュレーション電圧
Object	V3:+24V17A

Input Testing Circuitry	AC 3-phase Figure A
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1. Graph

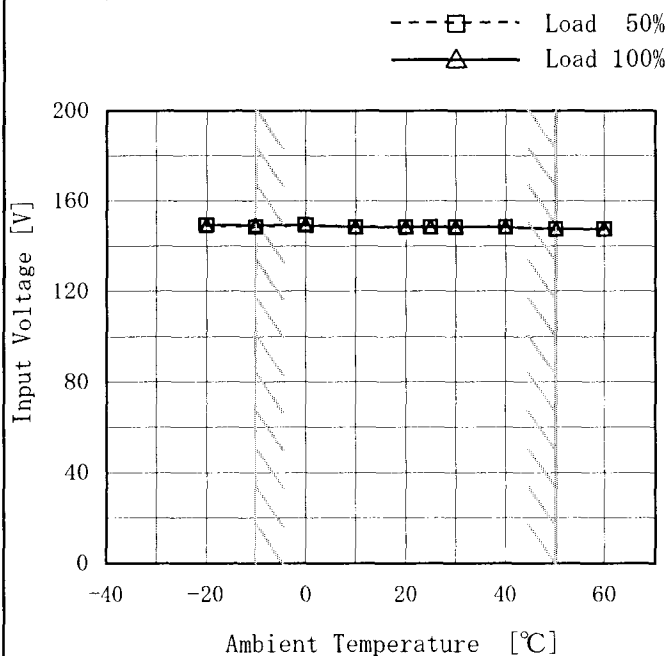


2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	149	149
-10	148	149
0	149	149
10	149	149
20	149	149
25	149	149
30	149	149
40	149	149
50	147	147
60	148	147
--	--	--

Object	V4:+28V14.5A
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1. Graph

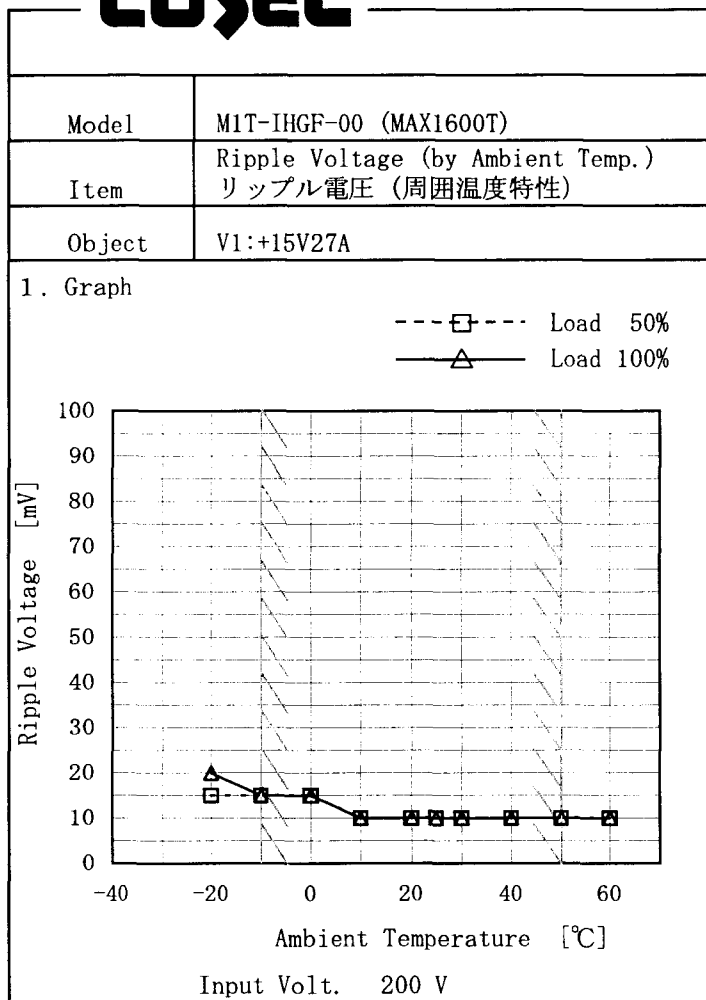


2. Values

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-20	149	149
-10	148	149
0	149	149
10	149	149
20	149	149
25	149	149
30	149	149
40	149	149
50	147	147
60	148	147
--	--	--

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

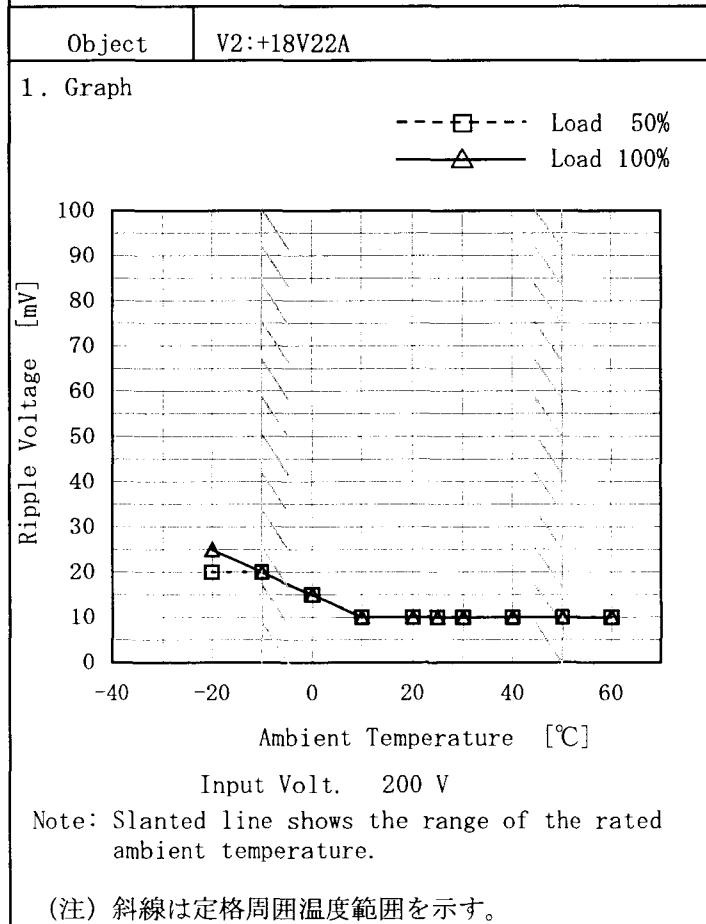
(注) 斜線は定格周囲温度範囲を示す。



Input AC 3-phase
Testing Circuitry Figure A

2. Values

Ambient Temperature [°C]	Ripple Voltage [mV]	
	Load 50%	Load 100%
-20	15	20
-10	15	15
0	15	15
10	10	10
20	10	10
25	10	10
30	10	10
40	10	10
50	10	10
60	10	10
--	--	--



2. Values

Ambient Temperature [°C]	Ripple Voltage [mV]	
	Load 50%	Load 100%
-20	20	25
-10	20	20
0	15	15
10	10	10
20	10	10
25	10	10
30	10	10
40	10	10
50	10	10
60	10	10
--	--	--



<p>Model MIT-IHGF-00 (MAX1600T)</p>		<p>Input AC 3-phase</p>																																							
<p>Item Ripple Voltage (by Ambient Temp.) リップル電圧 (周囲温度特性)</p>		<p>Testing Circuitry Figure A</p>																																							
<p>Object V3:+24V17A</p>																																									
<p>1. Graph</p> <p style="text-align: right;"> ---□--- Load 50% —△— Load 100% </p> <p style="text-align: center;">Ambient Temperature [°C]</p> <p style="text-align: center;">Input Volt. 200 V</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature [°C]</th> <th colspan="2">Ripple Voltage [mV]</th> </tr> <tr> <th>Load 50%</th> <th>Load 100%</th> </tr> </thead> <tbody> <tr><td>-20</td><td>20</td><td>20</td></tr> <tr><td>-10</td><td>15</td><td>15</td></tr> <tr><td>0</td><td>15</td><td>15</td></tr> <tr><td>10</td><td>10</td><td>10</td></tr> <tr><td>20</td><td>10</td><td>10</td></tr> <tr><td>25</td><td>10</td><td>10</td></tr> <tr><td>30</td><td>10</td><td>10</td></tr> <tr><td>40</td><td>10</td><td>10</td></tr> <tr><td>50</td><td>10</td><td>10</td></tr> <tr><td>60</td><td>10</td><td>10</td></tr> <tr><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>		Ambient Temperature [°C]	Ripple Voltage [mV]		Load 50%	Load 100%	-20	20	20	-10	15	15	0	15	15	10	10	10	20	10	10	25	10	10	30	10	10	40	10	10	50	10	10	60	10	10	--	--	--
Ambient Temperature [°C]	Ripple Voltage [mV]																																								
	Load 50%	Load 100%																																							
-20	20	20																																							
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--	--	--																																							
<p>Object V4:+28V14.5A</p>																																									
<p>1. Graph</p> <p style="text-align: right;"> ---□--- Load 50% —△— Load 100% </p> <p style="text-align: center;">Ambient Temperature [°C]</p> <p style="text-align: center;">Input Volt. 200 V</p> <p>Note: Slanted line shows the range of the rated ambient temperature.</p> <p>(注) 斜線は定格周囲温度範囲を示す。</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature [°C]</th> <th colspan="2">Ripple Voltage [mV]</th> </tr> <tr> <th>Load 50%</th> <th>Load 100%</th> </tr> </thead> <tbody> <tr><td>-20</td><td>20</td><td>25</td></tr> <tr><td>-10</td><td>20</td><td>25</td></tr> <tr><td>0</td><td>20</td><td>20</td></tr> <tr><td>10</td><td>15</td><td>20</td></tr> <tr><td>20</td><td>15</td><td>20</td></tr> <tr><td>25</td><td>10</td><td>15</td></tr> <tr><td>30</td><td>10</td><td>15</td></tr> <tr><td>40</td><td>10</td><td>15</td></tr> <tr><td>50</td><td>10</td><td>15</td></tr> <tr><td>60</td><td>10</td><td>15</td></tr> <tr><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>		Ambient Temperature [°C]	Ripple Voltage [mV]		Load 50%	Load 100%	-20	20	25	-10	20	25	0	20	20	10	15	20	20	15	20	25	10	15	30	10	15	40	10	15	50	10	15	60	10	15	--	--	--
Ambient Temperature [°C]	Ripple Voltage [mV]																																								
	Load 50%	Load 100%																																							
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25	10	15																																							
30	10	15																																							
40	10	15																																							
50	10	15																																							
60	10	15																																							
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COSEL																								
Model	MIT-IHGF-00 (MAX1600T)	Input AC 3-phase																						
Item	Time Lapse Drift 経時ドリフト	Temperature 25°C																						
Object	V1:+15V27A	Testing Circuitry Figure A																						
<p>1. Graph</p> <p style="text-align: center;">Time [H]</p> <p style="text-align: center;">Input Volt. 200V Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>15.291</td></tr> <tr><td>0.5</td><td>15.305</td></tr> <tr><td>1.0</td><td>15.305</td></tr> <tr><td>2.0</td><td>15.305</td></tr> <tr><td>3.0</td><td>15.305</td></tr> <tr><td>4.0</td><td>15.305</td></tr> <tr><td>5.0</td><td>15.305</td></tr> <tr><td>6.0</td><td>15.305</td></tr> <tr><td>7.0</td><td>15.305</td></tr> <tr><td>8.0</td><td>15.305</td></tr> </tbody> </table>	Time since start [H]	Output Voltage [V]	0.0	15.291	0.5	15.305	1.0	15.305	2.0	15.305	3.0	15.305	4.0	15.305	5.0	15.305	6.0	15.305	7.0	15.305	8.0	15.305
Time since start [H]	Output Voltage [V]																							
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8.0	15.305																							
Object	V2:+18V22A																							
<p>1. Graph</p> <p style="text-align: center;">Time [H]</p> <p style="text-align: center;">Input Volt. 200V Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>18.358</td></tr> <tr><td>0.5</td><td>18.363</td></tr> <tr><td>1.0</td><td>18.363</td></tr> <tr><td>2.0</td><td>18.363</td></tr> <tr><td>3.0</td><td>18.363</td></tr> <tr><td>4.0</td><td>18.363</td></tr> <tr><td>5.0</td><td>18.363</td></tr> <tr><td>6.0</td><td>18.363</td></tr> <tr><td>7.0</td><td>18.363</td></tr> <tr><td>8.0</td><td>18.363</td></tr> </tbody> </table>	Time since start [H]	Output Voltage [V]	0.0	18.358	0.5	18.363	1.0	18.363	2.0	18.363	3.0	18.363	4.0	18.363	5.0	18.363	6.0	18.363	7.0	18.363	8.0	18.363
Time since start [H]	Output Voltage [V]																							
0.0	18.358																							
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<p>Model MIT-IHGF-00 (MAX1600T)</p> <p>Item Time Lapse Drift 経時ドリフト</p> <p>Object V3:+24V17A</p>		<p>Input AC 3-phase</p> <p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																						
<p>1. Graph</p> <p>Input Volt. 200V</p> <p>Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>24.351</td></tr> <tr><td>0.5</td><td>24.370</td></tr> <tr><td>1.0</td><td>24.370</td></tr> <tr><td>2.0</td><td>24.370</td></tr> <tr><td>3.0</td><td>24.370</td></tr> <tr><td>4.0</td><td>24.370</td></tr> <tr><td>5.0</td><td>24.370</td></tr> <tr><td>6.0</td><td>24.370</td></tr> <tr><td>7.0</td><td>24.370</td></tr> <tr><td>8.0</td><td>24.370</td></tr> </tbody> </table>	Time since start [H]	Output Voltage [V]	0.0	24.351	0.5	24.370	1.0	24.370	2.0	24.370	3.0	24.370	4.0	24.370	5.0	24.370	6.0	24.370	7.0	24.370	8.0	24.370
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<p>Object V4:+28V14.5A</p> <p>1. Graph</p> <p>Input Volt. 200V</p> <p>Load 100%</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th>Time since start [H]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>28.386</td></tr> <tr><td>0.5</td><td>28.403</td></tr> <tr><td>1.0</td><td>28.403</td></tr> <tr><td>2.0</td><td>28.403</td></tr> <tr><td>3.0</td><td>28.403</td></tr> <tr><td>4.0</td><td>28.403</td></tr> <tr><td>5.0</td><td>28.403</td></tr> <tr><td>6.0</td><td>28.403</td></tr> <tr><td>7.0</td><td>28.403</td></tr> <tr><td>8.0</td><td>28.403</td></tr> </tbody> </table>	Time since start [H]	Output Voltage [V]	0.0	28.386	0.5	28.403	1.0	28.403	2.0	28.403	3.0	28.403	4.0	28.403	5.0	28.403	6.0	28.403	7.0	28.403	8.0	28.403
Time since start [H]	Output Voltage [V]																							
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8.0	28.403																							



Model		MIT-IHGF-00 (MAX1600T)		Input Testing Circuitry	AC 3-phase Figure A
Item	Output Voltage Accuracy 定電圧精度				

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°C

Input Voltage : 170 ~ 264V

Load Current (V1) : 0 ~ 27A (V2) : 0~22A (V3) : 0~17A (V4) : 0~14.5A

* 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°C

入力電圧 : 170 ~ 264V

負荷電流 (V1) : 0 ~ 27A (V2) : 0~22A (V3) : 0~17A (V4) : 0~14.5A

* 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

Object	V1:+15V27A					
Item	Temperature [°C]	Input Voltage [V]	Output		Output Voltage Accuracy	
			Current[A]	Voltage[V]	Value [mV]	Ration [%]
Maximum Voltage	-10	264	0	15.324	±21	±0.1
Minimum Voltage	50	170	27	15.283		

Object	V2:+18V22A					
Item	Temperature [°C]	Input Voltage [V]	Output		Output Voltage Accuracy	
			Current[A]	Voltage[V]	Value [mV]	Ration [%]
Maximum Voltage	-10	264	22	18.407	±25	±0.1
Minimum Voltage	50	170	22	18.358		

Object	V3:+24V17A					
Item	Temperature [°C]	Input Voltage [V]	Output		Output Voltage Accuracy	
			Current[A]	Voltage[V]	Value [mV]	Ration [%]
Maximum Voltage	-10	264	17	24.412	±27	±0.1
Minimum Voltage	25	170	0	24.359		

Object	V4:+28V14.5A					
Item	Temperature [°C]	Input Voltage [V]	Output		Output Voltage Accuracy	
			Current[A]	Voltage[V]	Value [mV]	Ration [%]
Maximum Voltage	-10	170	14.5	28.494	±49	±0.2
Minimum Voltage	50	170	0	28.396		



Model		MIT-IHGF-00 (MAX1600T)		Input AC 3-phase Testing Circuitry Figure A												
Item		Condense 結露特性														
<p>1. Condensation test</p> <p>Testing procedure is as follows.</p> <p>① Keeping and cooling the unit in a tank at -10°C for an hour with the input off.</p> <p>② Taking it out of the tank and dewing itself in a room where the temperature is 25°C and the humidity is 40%RH.</p> <p>③ Testing electrical characteristics of the unit to confirm there be no fault.</p> <p>1. 結露特性試験</p> <p>入力を切った状態で、恒温槽で-10°Cに冷却しておき、約1時間後に恒温槽から取り出し、室温25°C、湿度40%RHの状態におき結露させ、その電気的特性の測定を行い異常のないことを確認する。</p> <p>2. Values</p>																
Object		V1:+15V27A														
<table border="1"> <thead> <tr> <th>Item</th> <th>Data</th> <th>Testing Conditions</th> </tr> </thead> <tbody> <tr> <td>Output Voltage [V]</td> <td>15.17</td> <td>Input Volt. :200V, Load Current. :27A</td> </tr> <tr> <td>Line Regulation [mV]</td> <td>4</td> <td>Input Volt. :170~264V, Load Current. :27A</td> </tr> <tr> <td>Load Regulation [mV]</td> <td>6</td> <td>Input Volt. :200V, Load Current. :0~27A</td> </tr> </tbody> </table>					Item	Data	Testing Conditions	Output Voltage [V]	15.17	Input Volt. :200V, Load Current. :27A	Line Regulation [mV]	4	Input Volt. :170~264V, Load Current. :27A	Load Regulation [mV]	6	Input Volt. :200V, Load Current. :0~27A
Item	Data	Testing Conditions														
Output Voltage [V]	15.17	Input Volt. :200V, Load Current. :27A														
Line Regulation [mV]	4	Input Volt. :170~264V, Load Current. :27A														
Load Regulation [mV]	6	Input Volt. :200V, Load Current. :0~27A														
Object		V2:+18V22A														
<table border="1"> <thead> <tr> <th>Item</th> <th>Data</th> <th>Testing Conditions</th> </tr> </thead> <tbody> <tr> <td>Output Voltage [V]</td> <td>18.43</td> <td>Input Volt. :200V, Load Current. :22A</td> </tr> <tr> <td>Line Regulation [mV]</td> <td>4</td> <td>Input Volt. :170~264V, Load Current. :22A</td> </tr> <tr> <td>Load Regulation [mV]</td> <td>7</td> <td>Input Volt. :200V, Load Current. :0~22A</td> </tr> </tbody> </table>					Item	Data	Testing Conditions	Output Voltage [V]	18.43	Input Volt. :200V, Load Current. :22A	Line Regulation [mV]	4	Input Volt. :170~264V, Load Current. :22A	Load Regulation [mV]	7	Input Volt. :200V, Load Current. :0~22A
Item	Data	Testing Conditions														
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Line Regulation [mV]	4	Input Volt. :170~264V, Load Current. :22A														
Load Regulation [mV]	7	Input Volt. :200V, Load Current. :0~22A														
Object		V3:+24V17A														
<table border="1"> <thead> <tr> <th>Item</th> <th>Data</th> <th>Testing Conditions</th> </tr> </thead> <tbody> <tr> <td>Output Voltage [V]</td> <td>24.567</td> <td>Input Volt. :200V, Load Current. :17A</td> </tr> <tr> <td>Line Regulation [mV]</td> <td>4</td> <td>Input Volt. :170~264V, Load Current. :17A</td> </tr> <tr> <td>Load Regulation [mV]</td> <td>14</td> <td>Input Volt. :200V, Load Current. :0~17A</td> </tr> </tbody> </table>					Item	Data	Testing Conditions	Output Voltage [V]	24.567	Input Volt. :200V, Load Current. :17A	Line Regulation [mV]	4	Input Volt. :170~264V, Load Current. :17A	Load Regulation [mV]	14	Input Volt. :200V, Load Current. :0~17A
Item	Data	Testing Conditions														
Output Voltage [V]	24.567	Input Volt. :200V, Load Current. :17A														
Line Regulation [mV]	4	Input Volt. :170~264V, Load Current. :17A														
Load Regulation [mV]	14	Input Volt. :200V, Load Current. :0~17A														
Object		V4:+28V14.5A														
<table border="1"> <thead> <tr> <th>Item</th> <th>Data</th> <th>Testing Conditions</th> </tr> </thead> <tbody> <tr> <td>Output Voltage [V]</td> <td>28.236</td> <td>Input Volt. :200V, Load Current. :14.5A</td> </tr> <tr> <td>Line Regulation [mV]</td> <td>5</td> <td>Input Volt. :170~264V, Load Current. :14.5A</td> </tr> <tr> <td>Load Regulation [mV]</td> <td>16</td> <td>Input Volt. :200V, Load Current. :0~14.5A</td> </tr> </tbody> </table>					Item	Data	Testing Conditions	Output Voltage [V]	28.236	Input Volt. :200V, Load Current. :14.5A	Line Regulation [mV]	5	Input Volt. :170~264V, Load Current. :14.5A	Load Regulation [mV]	16	Input Volt. :200V, Load Current. :0~14.5A
Item	Data	Testing Conditions														
Output Voltage [V]	28.236	Input Volt. :200V, Load Current. :14.5A														
Line Regulation [mV]	5	Input Volt. :170~264V, Load Current. :14.5A														
Load Regulation [mV]	16	Input Volt. :200V, Load Current. :0~14.5A														



COSEL			
Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Leakage Current 漏洩電流	Temperature	25°C
Object	_____	Testing Circuitry	Figure B

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. 230 [V]	Input Volt. 264 [V]
(B) IEC60950	0.61	0.89	0.95

2. Condition

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

交流入力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。



COSEL			
Model	MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item	Line Noise Tolerance 入力雑音耐量	Temperature	25°C
		Testing Circuitry	Figure C
<p>1. Conditions</p> <ul style="list-style-type: none"> • Input Voltage : 200 V • Pulse Voltage : 2000 V • Pulse Cycle : 10 mS • Pulse Input Duration : 1 min. or more • Load : 100 % <p>2. Results</p>			
Object	V1:+15V27A		
	Pulse Width [nS]	MODE POLARITY	Malfunction of protective circuits
	50	COMMON + / -	OK
		NORMAL + / -	OK
	1000	COMMON + / -	OK
		NORMAL + / -	OK
Object	V2:+18V22A		
	Pulse Width [nS]	MODE POLARITY	Malfunction of protective circuits
	50	COMMON + / -	OK
		NORMAL + / -	OK
	1000	COMMON + / -	OK
		NORMAL + / -	OK
Object	V3:+24V17A		
	Pulse Width [nS]	MODE POLARITY	Malfunction of protective circuits
	50	COMMON + / -	OK
		NORMAL + / -	OK
	1000	COMMON + / -	OK
		NORMAL + / -	OK
Object	V4:+28V14.5A		
	Pulse Width [nS]	MODE POLARITY	Malfunction of protective circuits
	50	COMMON + / -	OK
		NORMAL + / -	OK
	1000	COMMON + / -	OK
		NORMAL + / -	OK



Model		MIT-IHGF-00 (MAX1600T)	Input	AC 3-phase
Item		Conducted Emission 雑音端子電圧	Temperature	25°C
Object			Testing Circuitry	Figure D

1. Graph

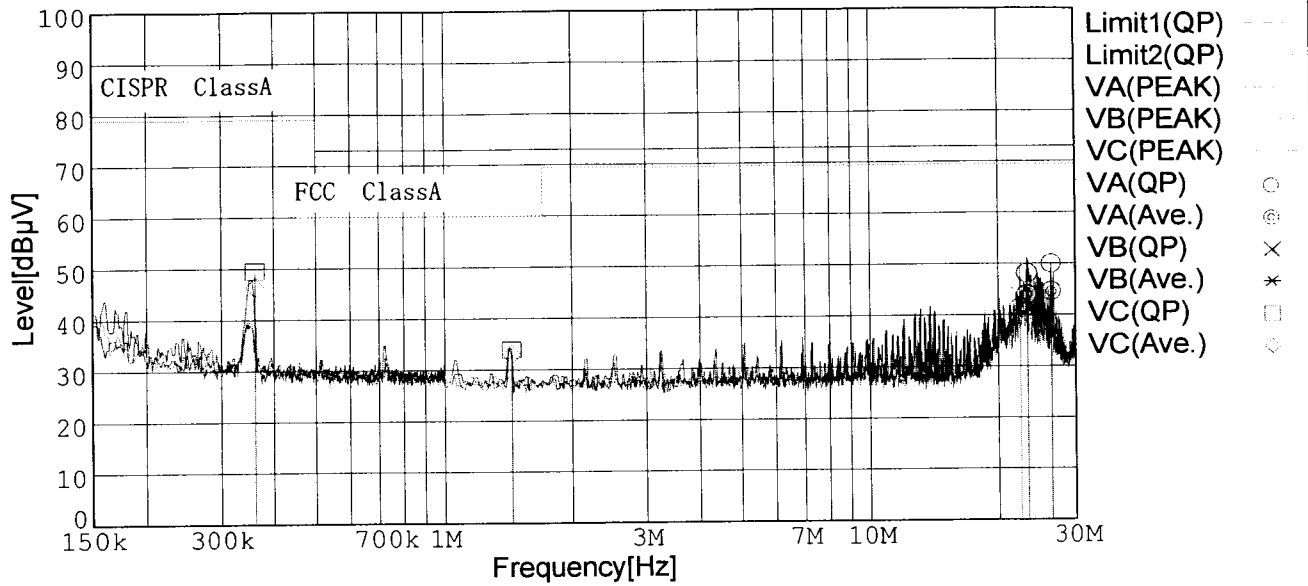
Remarks

Input Volt. 230V

Load 100%

Limit1: [CISPR Pub22] Class A(QP)

Limit2: [FCC Part15] Class A



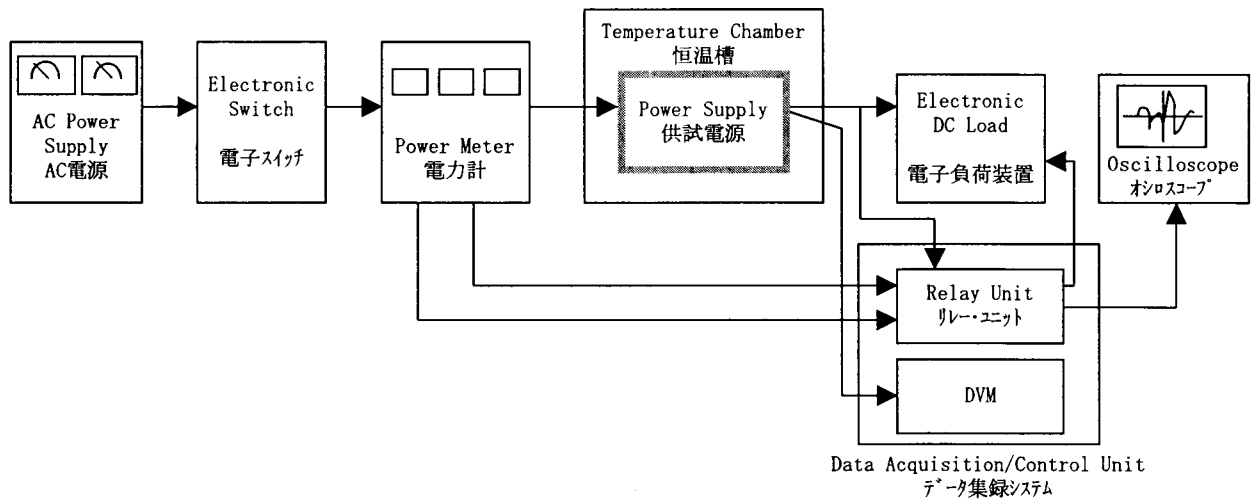


Figure A

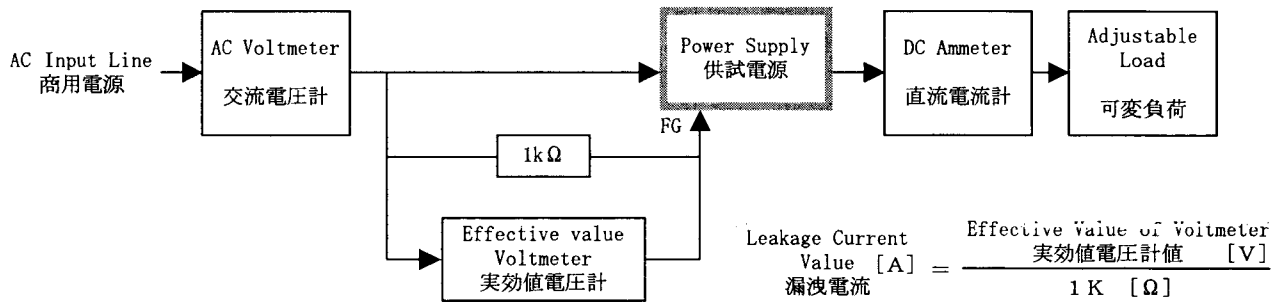


Figure B (DEN-AN)

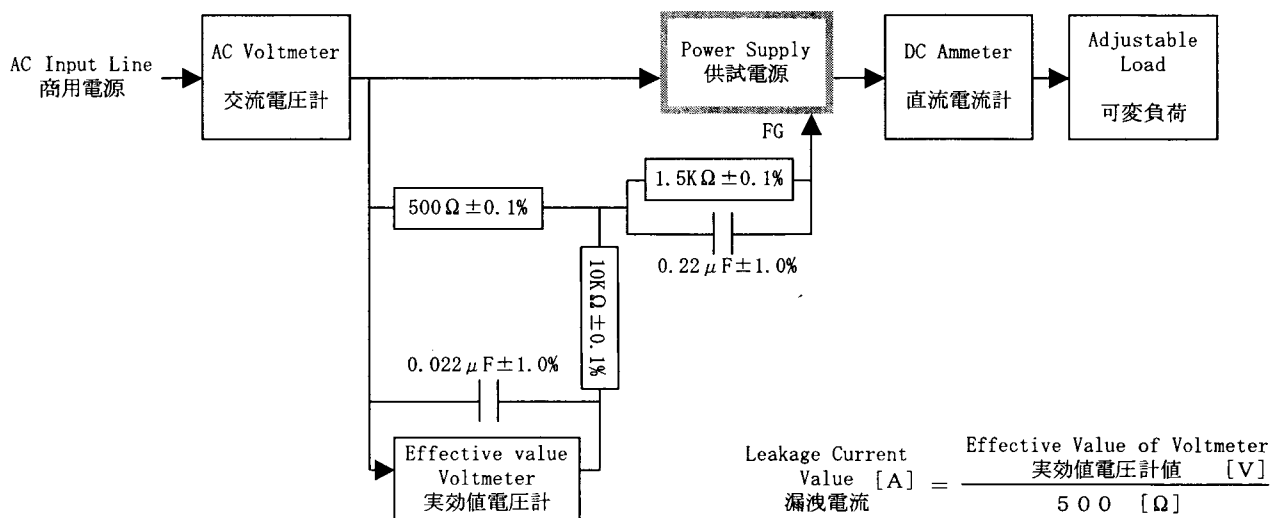


Figure B (IEC60950)

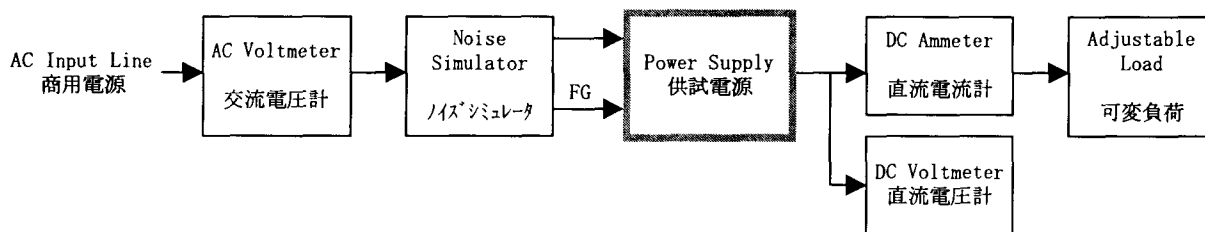


Figure C

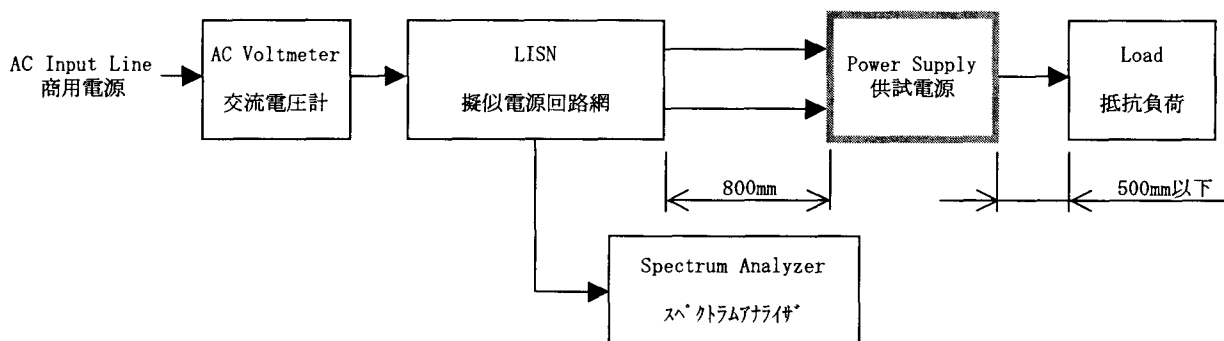


Figure D

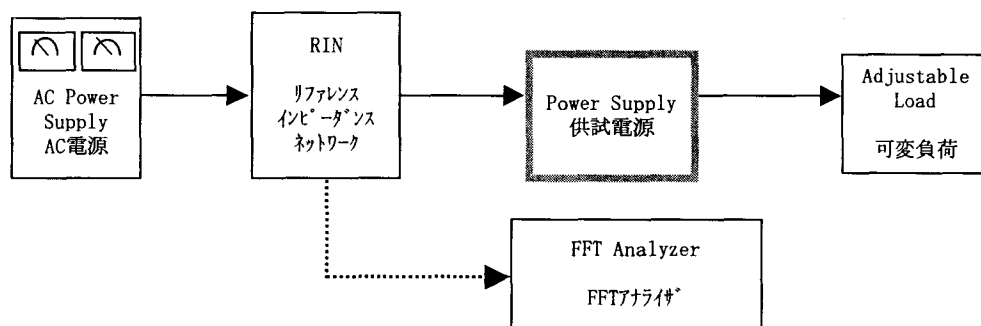


Figure E