

TEST DATA OF SPLFA150F-24

Regulated DC Power Supply
October 19, 2011

Approved by : Takahiro Yoneda
Takahiro Yoneda Design Manager

Prepared by : Satoshi Kinoshita
Satoshi Kinoshita Design Engineer

COSEL CO.,LTD.

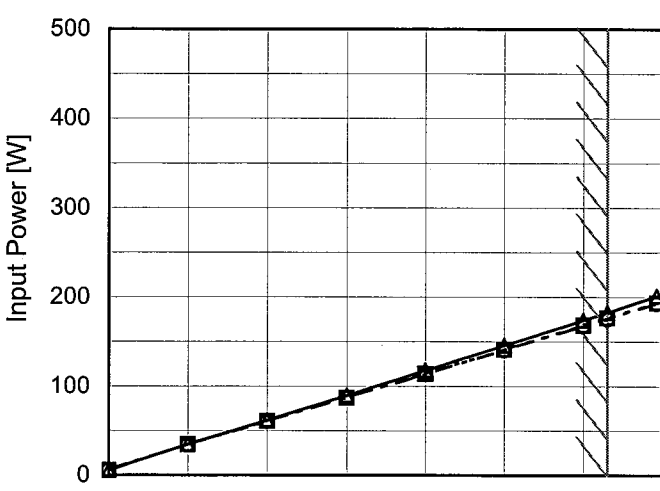
CONTENTS

1.Input Current (by Load Current)	1
2.Input Power (by Load Current)	2
3.Efficiency (by Input Voltage)	3
4.Efficiency (by Load Current)	4
5.Power Factor (by Input Voltage)	5
6.Power Factor (by Load Current)	6
7.Inrush Current	7
8.Leakage Current	8
9.Line Regulation	9
10.Load Regulation	10
11.Dynamic Load Response	11
12.Ripple Voltage (by Load Current)	12
13.Ripple-Noise	13
14.Ripple Voltage (by Ambient Temperature)	14
15.Ambient Temperature Drift	15
16.Output Voltage Accuracy	16
17.Time Lapse Drift	17
18.Rise and Fall Time	18
19.Hold-Up Time	19
20.Instantaneous Interruption Compensation	20
21.Minimum Input Voltage for Regulated Output Voltage	21
22.Overcurrent Protection	22
23.Overvoltage Protection	23
24.Figure of Testing Circuitry	24

(Final Page 25)

COSEL

Model		SPLFA150F-24		Temperature 25°C	
Item		Input Current (by Load Current)		Testing Circuitry Figure A	
Object					
1.Graph		<div><div>—△—</div>Input Volt. 100V</div> <div><div>---□---</div>Input Volt. 200V</div> <div><div>- -○- -</div>Input Volt. 230V</div>		2.Values	
<div><div><div>Input Current [A]</div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div></div></div>					

Model		SPLFA150F-24																																																				
Item		Input Power (by Load Current)																																																				
Object																																																						
1.Graph																																																						
		—△— Input Volt. 100V																																																				
		---□--- Input Volt. 200V																																																				
		-·-○-·- Input Volt. 230V																																																				
																																																						
Note: Slanted line shows the range of the rated load current.																																																						
2.Values																																																						
<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Input Power [W]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.00</td><td>5.4</td><td>5.5</td><td>5.7</td></tr><tr><td>1.00</td><td>35.0</td><td>34.4</td><td>34.3</td></tr><tr><td>2.00</td><td>61.9</td><td>60.7</td><td>60.5</td></tr><tr><td>3.00</td><td>89.5</td><td>87.1</td><td>86.9</td></tr><tr><td>4.00</td><td>117.7</td><td>113.9</td><td>113.6</td></tr><tr><td>5.00</td><td>145.9</td><td>141.0</td><td>140.4</td></tr><tr><td>6.00</td><td>174.2</td><td>168.3</td><td>167.6</td></tr><tr><td>6.30</td><td>182.8</td><td>176.6</td><td>175.8</td></tr><tr><td>6.93</td><td>201.3</td><td>193.7</td><td>192.8</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table>				Load Current [A]	Input Power [W]			Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	5.4	5.5	5.7	1.00	35.0	34.4	34.3	2.00	61.9	60.7	60.5	3.00	89.5	87.1	86.9	4.00	117.7	113.9	113.6	5.00	145.9	141.0	140.4	6.00	174.2	168.3	167.6	6.30	182.8	176.6	175.8	6.93	201.3	193.7	192.8	--	-	-	-	--	-	-	-
Load Current [A]	Input Power [W]																																																					
	Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]																																																			
0.00	5.4	5.5	5.7																																																			
1.00	35.0	34.4	34.3																																																			
2.00	61.9	60.7	60.5																																																			
3.00	89.5	87.1	86.9																																																			
4.00	117.7	113.9	113.6																																																			
5.00	145.9	141.0	140.4																																																			
6.00	174.2	168.3	167.6																																																			
6.30	182.8	176.6	175.8																																																			
6.93	201.3	193.7	192.8																																																			
--	-	-	-																																																			
--	-	-	-																																																			

Model		SPLFA150F-24																																	
Item		Efficiency (by Input Voltage)																																	
Object																																			
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>Load 50%</div><div>Load 100%</div></div></div> <table><thead><tr><th rowspan="2">Input Voltage [V]</th><th colspan="2">Efficiency [%]</th></tr><tr><th>Load 50%</th><th>Load 100%</th></tr></thead><tbody><tr><td>75</td><td>81.3</td><td>82.7</td></tr><tr><td>85</td><td>81.8</td><td>83.5</td></tr><tr><td>100</td><td>82.9</td><td>84.6</td></tr><tr><td>120</td><td>83.5</td><td>85.5</td></tr><tr><td>200</td><td>85.0</td><td>87.5</td></tr><tr><td>230</td><td>85.0</td><td>87.9</td></tr><tr><td>264</td><td>85.3</td><td>88.2</td></tr><tr><td>280</td><td>85.2</td><td>88.0</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table>		Input Voltage [V]	Efficiency [%]		Load 50%	Load 100%	75	81.3	82.7	85	81.8	83.5	100	82.9	84.6	120	83.5	85.5	200	85.0	87.5	230	85.0	87.9	264	85.3	88.2	280	85.2	88.0	--	-	-		
Input Voltage [V]	Efficiency [%]																																		
	Load 50%	Load 100%																																	
75	81.3	82.7																																	
85	81.8	83.5																																	
100	82.9	84.6																																	
120	83.5	85.5																																	
200	85.0	87.5																																	
230	85.0	87.9																																	
264	85.3	88.2																																	
280	85.2	88.0																																	
--	-	-																																	
Note: Slanted line shows the range of the rated input voltage.																																			

Model		SPLFA150F-24		Temperature Testing Circuitry	25°C Figure A																																																	
Item		Efficiency (by Load Current)																																																				
Object		_____																																																				
1.Graph		<div><div><div>—△—</div><div>---□---</div><div>---○---</div></div><div><div>Input Volt. 100V</div><div>Input Volt. 200V</div><div>Input Volt. 230V</div></div></div> <table><thead><tr><th>Load Current [A]</th><th>100V [%]</th><th>200V [%]</th><th>230V [%]</th></tr></thead><tbody><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>1.00</td><td>70.9</td><td>72.1</td><td>72.3</td></tr><tr><td>2.00</td><td>79.6</td><td>81.2</td><td>81.5</td></tr><tr><td>3.00</td><td>82.4</td><td>84.7</td><td>84.9</td></tr><tr><td>4.00</td><td>83.5</td><td>86.3</td><td>86.5</td></tr><tr><td>5.00</td><td>84.1</td><td>87.1</td><td>87.4</td></tr><tr><td>6.00</td><td>84.5</td><td>87.5</td><td>87.8</td></tr><tr><td>6.30</td><td>84.5</td><td>87.5</td><td>87.9</td></tr><tr><td>6.93</td><td>84.3</td><td>87.6</td><td>88.0</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]	100V [%]	200V [%]	230V [%]	0.00	-	-	-	1.00	70.9	72.1	72.3	2.00	79.6	81.2	81.5	3.00	82.4	84.7	84.9	4.00	83.5	86.3	86.5	5.00	84.1	87.1	87.4	6.00	84.5	87.5	87.8	6.30	84.5	87.5	87.9	6.93	84.3	87.6	88.0	--	-	-	-	--	-	-	-	2.Values		
Load Current [A]	100V [%]	200V [%]	230V [%]																																																			
0.00	-	-	-																																																			
1.00	70.9	72.1	72.3																																																			
2.00	79.6	81.2	81.5																																																			
3.00	82.4	84.7	84.9																																																			
4.00	83.5	86.3	86.5																																																			
5.00	84.1	87.1	87.4																																																			
6.00	84.5	87.5	87.8																																																			
6.30	84.5	87.5	87.9																																																			
6.93	84.3	87.6	88.0																																																			
--	-	-	-																																																			
--	-	-	-																																																			
		<table><thead><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Efficiency [%]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr></thead><tbody><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>1.00</td><td>70.9</td><td>72.1</td><td>72.3</td></tr><tr><td>2.00</td><td>79.6</td><td>81.2</td><td>81.5</td></tr><tr><td>3.00</td><td>82.4</td><td>84.7</td><td>84.9</td></tr><tr><td>4.00</td><td>83.5</td><td>86.3</td><td>86.5</td></tr><tr><td>5.00</td><td>84.1</td><td>87.1</td><td>87.4</td></tr><tr><td>6.00</td><td>84.5</td><td>87.5</td><td>87.8</td></tr><tr><td>6.30</td><td>84.5</td><td>87.5</td><td>87.9</td></tr><tr><td>6.93</td><td>84.3</td><td>87.6</td><td>88.0</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]	Efficiency [%]			Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	-	-	-	1.00	70.9	72.1	72.3	2.00	79.6	81.2	81.5	3.00	82.4	84.7	84.9	4.00	83.5	86.3	86.5	5.00	84.1	87.1	87.4	6.00	84.5	87.5	87.8	6.30	84.5	87.5	87.9	6.93	84.3	87.6	88.0	--	-	-	-	--	-	-	-
Load Current [A]	Efficiency [%]																																																					
	Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]																																																			
0.00	-	-	-																																																			
1.00	70.9	72.1	72.3																																																			
2.00	79.6	81.2	81.5																																																			
3.00	82.4	84.7	84.9																																																			
4.00	83.5	86.3	86.5																																																			
5.00	84.1	87.1	87.4																																																			
6.00	84.5	87.5	87.8																																																			
6.30	84.5	87.5	87.9																																																			
6.93	84.3	87.6	88.0																																																			
--	-	-	-																																																			
--	-	-	-																																																			
Note: Slanted line shows the range of the rated load current.																																																						

Model		SPLFA150F-24	
Item		Power Factor (by Input Voltage)	
Object		_____	

1.Graph

□

Load 50%

—

△

—

Load 100%

Power Factor

1.0

0.9

0.8

0.7

0.6

0.5

0.4

50

100

150

200

250

300

Input Voltage [V]

Input Voltage [V]	Load 50%	Load 100%
75	0.977	0.990
85	0.971	0.988
100	0.959	0.983
120	0.948	0.976
200	0.889	0.940
230	0.851	0.918
264	0.802	0.885
280	0.774	0.859
--	-	-

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

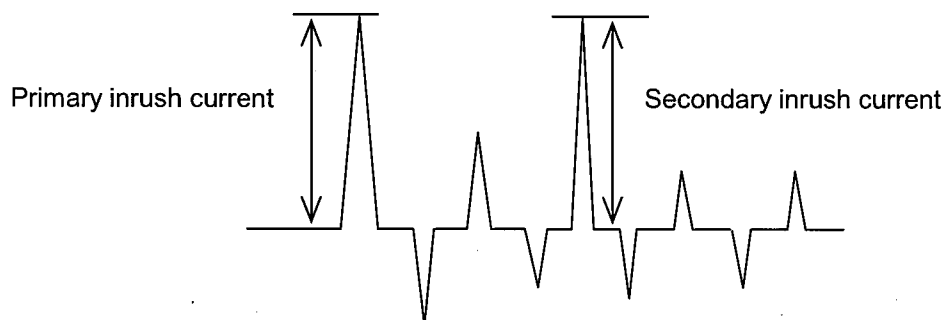
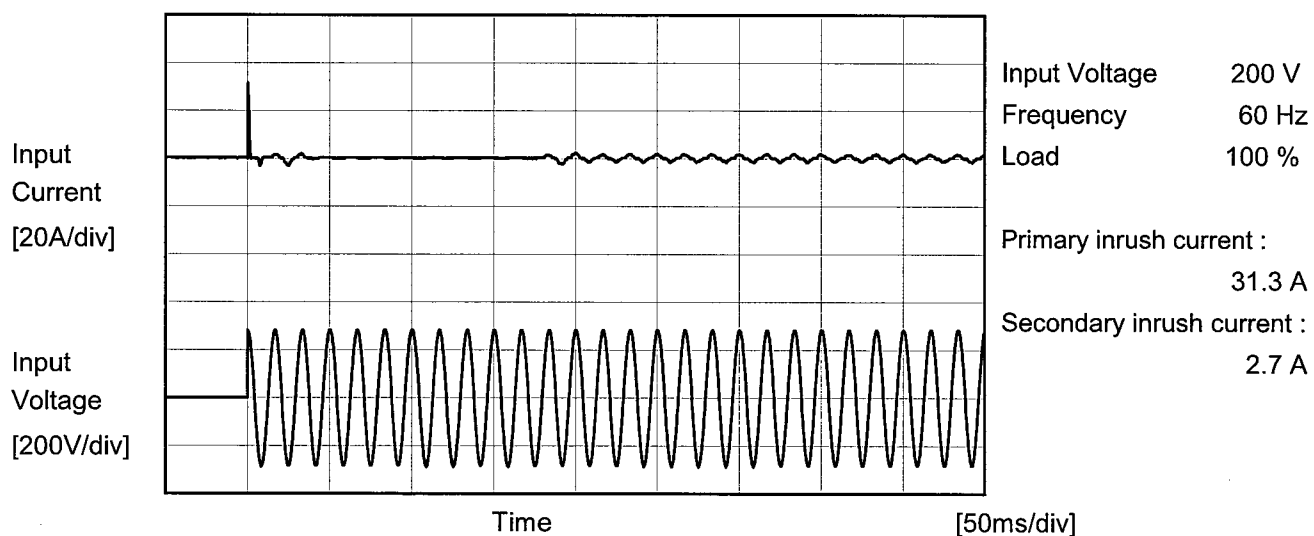
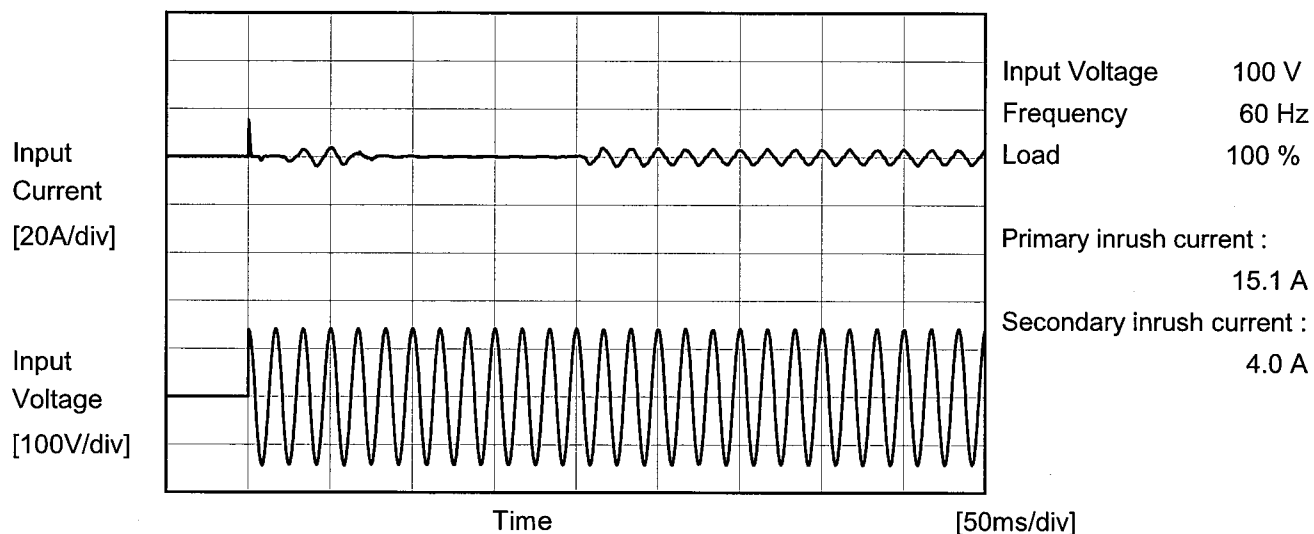
2.Values

Input Voltage [V]	Power Factor	
	Load 50%	Load 100%
75	0.977	0.990
85	0.971	0.988
100	0.959	0.983
120	0.948	0.976
200	0.889	0.940
230	0.851	0.918
264	0.802	0.885
280	0.774	0.859
--	-	-

Model		SPLFA150F-24																																																				
Item		Power Factor (by Load Current)																																																				
Object																																																						
1.Graph		2.Values																																																				
<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>Power Factor</div><div>Load Current [A]</div></div>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Power Factor</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.00</td><td>0.583</td><td>0.234</td><td>0.191</td></tr><tr><td>1.00</td><td>0.905</td><td>0.730</td><td>0.658</td></tr><tr><td>2.00</td><td>0.939</td><td>0.837</td><td>0.787</td></tr><tr><td>3.00</td><td>0.958</td><td>0.885</td><td>0.845</td></tr><tr><td>4.00</td><td>0.969</td><td>0.910</td><td>0.879</td></tr><tr><td>5.00</td><td>0.978</td><td>0.927</td><td>0.901</td></tr><tr><td>6.00</td><td>0.982</td><td>0.937</td><td>0.915</td></tr><tr><td>6.30</td><td>0.983</td><td>0.940</td><td>0.918</td></tr><tr><td>6.93</td><td>0.985</td><td>0.945</td><td>0.925</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table>		Load Current [A]	Power Factor			Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	0.583	0.234	0.191	1.00	0.905	0.730	0.658	2.00	0.939	0.837	0.787	3.00	0.958	0.885	0.845	4.00	0.969	0.910	0.879	5.00	0.978	0.927	0.901	6.00	0.982	0.937	0.915	6.30	0.983	0.940	0.918	6.93	0.985	0.945	0.925	--	-	-	-	--	-	-	-
Load Current [A]	Power Factor																																																					
	Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]																																																			
0.00	0.583	0.234	0.191																																																			
1.00	0.905	0.730	0.658																																																			
2.00	0.939	0.837	0.787																																																			
3.00	0.958	0.885	0.845																																																			
4.00	0.969	0.910	0.879																																																			
5.00	0.978	0.927	0.901																																																			
6.00	0.982	0.937	0.915																																																			
6.30	0.983	0.940	0.918																																																			
6.93	0.985	0.945	0.925																																																			
--	-	-	-																																																			
--	-	-	-																																																			
Note: Slanted line shows the range of the rated load current.																																																						

COSEL

Model	SPLFA150F-24	Temperature	25°C
Item	Inrush Current	Testing Circuitry	Figure A
Object	_____		



COSEL

		Temperature 25°C Testing Circuitry Figure B
Model	SPLFA150F-24	
Item	Leakage Current	
Object		

1.Results

[mA]

Standards		Input Volt.			Note
		100 [V]	200 [V]	230 [V]	
DEN-AN	Both phases	0.27	0.40	0.44	Operation
	One of phases	0.23	0.51	0.60	Stand by
IEC60950-1	Both phases	0.16	0.35	0.41	Operation
	One of phases	0.24	0.52	0.61	Stand by

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

2.Condition

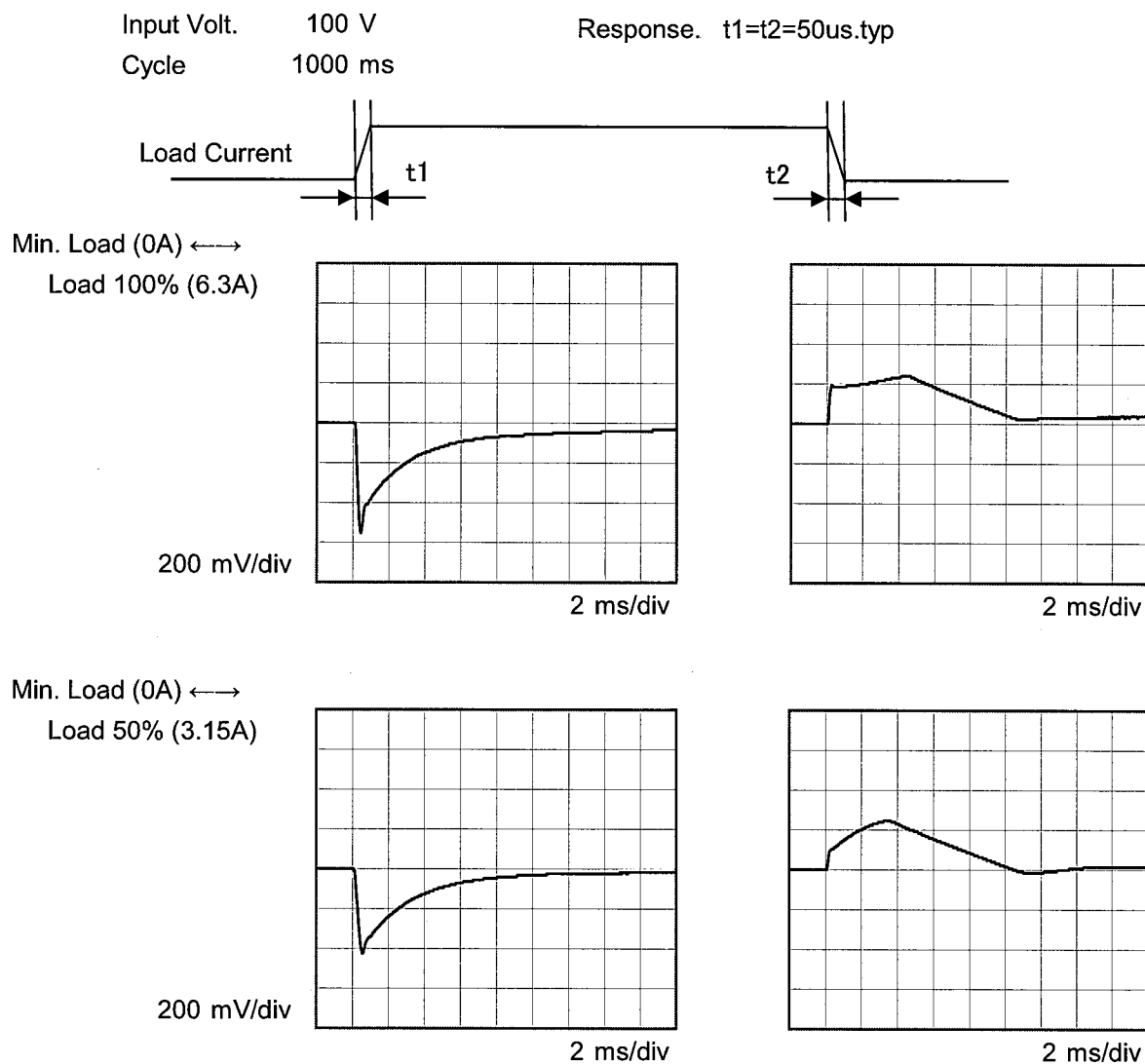
Leakage current value is concluded after measuring both phases of AC input and by choosing the larger one.

Model	SPLFA150F-24																																
Item	Line Regulation	Temperature	25°C																														
Object	+24V6.3A	Testing Circuitry	Figure A																														
1.Graph		2.Values																															
<div><div><div>---□---</div><div>Load 50%</div></div><div><div>—△—</div><div>Load 100%</div></div></div> <table><thead><tr><th>Input Voltage [V]</th><th>Output Voltage [V] Load 50%</th><th>Output Voltage [V] Load 100%</th></tr></thead><tbody><tr><td>75</td><td>24.487</td><td>24.465</td></tr><tr><td>85</td><td>24.487</td><td>24.465</td></tr><tr><td>100</td><td>24.487</td><td>24.464</td></tr><tr><td>120</td><td>24.486</td><td>24.464</td></tr><tr><td>200</td><td>24.486</td><td>24.464</td></tr><tr><td>230</td><td>24.486</td><td>24.463</td></tr><tr><td>264</td><td>24.485</td><td>24.463</td></tr><tr><td>280</td><td>24.485</td><td>24.462</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></tbody></table>		Input Voltage [V]	Output Voltage [V] Load 50%	Output Voltage [V] Load 100%	75	24.487	24.465	85	24.487	24.465	100	24.487	24.464	120	24.486	24.464	200	24.486	24.464	230	24.486	24.463	264	24.485	24.463	280	24.485	24.462	--	-	-		
Input Voltage [V]	Output Voltage [V] Load 50%	Output Voltage [V] Load 100%																															
75	24.487	24.465																															
85	24.487	24.465																															
100	24.487	24.464																															
120	24.486	24.464																															
200	24.486	24.464																															
230	24.486	24.463																															
264	24.485	24.463																															
280	24.485	24.462																															
--	-	-																															
Note: Slanted line shows the range of the rated input voltage.																																	



Model	SPLFA150F-24																																																					
Item	Load Regulation	Temperature	25°C																																																			
Object	+24V6.3A	Testing Circuitry	Figure A																																																			
1.Graph		2.Values																																																				
<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> <table><thead><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Output Voltage [V]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr></thead><tbody><tr><td>0.00</td><td>24.512</td><td>24.513</td><td>24.511</td></tr><tr><td>1.00</td><td>24.504</td><td>24.504</td><td>24.502</td></tr><tr><td>2.00</td><td>24.497</td><td>24.498</td><td>24.495</td></tr><tr><td>3.00</td><td>24.491</td><td>24.491</td><td>24.489</td></tr><tr><td>4.00</td><td>24.485</td><td>24.484</td><td>24.482</td></tr><tr><td>5.00</td><td>24.478</td><td>24.477</td><td>24.475</td></tr><tr><td>6.00</td><td>24.471</td><td>24.470</td><td>24.468</td></tr><tr><td>6.30</td><td>24.469</td><td>24.468</td><td>24.466</td></tr><tr><td>6.93</td><td>24.465</td><td>24.463</td><td>24.461</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. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	24.512	24.513	24.511	1.00	24.504	24.504	24.502	2.00	24.497	24.498	24.495	3.00	24.491	24.491	24.489	4.00	24.485	24.484	24.482	5.00	24.478	24.477	24.475	6.00	24.471	24.470	24.468	6.30	24.469	24.468	24.466	6.93	24.465	24.463	24.461	--	-	-	-	--	-	-	-		
Load Current [A]	Output Voltage [V]																																																					
	Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]																																																			
0.00	24.512	24.513	24.511																																																			
1.00	24.504	24.504	24.502																																																			
2.00	24.497	24.498	24.495																																																			
3.00	24.491	24.491	24.489																																																			
4.00	24.485	24.484	24.482																																																			
5.00	24.478	24.477	24.475																																																			
6.00	24.471	24.470	24.468																																																			
6.30	24.469	24.468	24.466																																																			
6.93	24.465	24.463	24.461																																																			
--	-	-	-																																																			
--	-	-	-																																																			
Note: Slanted line shows the range of the rated load current.																																																						

Model	SPLFA150F-24	Temperature	25°C
Item	Dynamic Load Response	Testing Circuitry	Figure A
Object	+24V6.3A		



COSEL

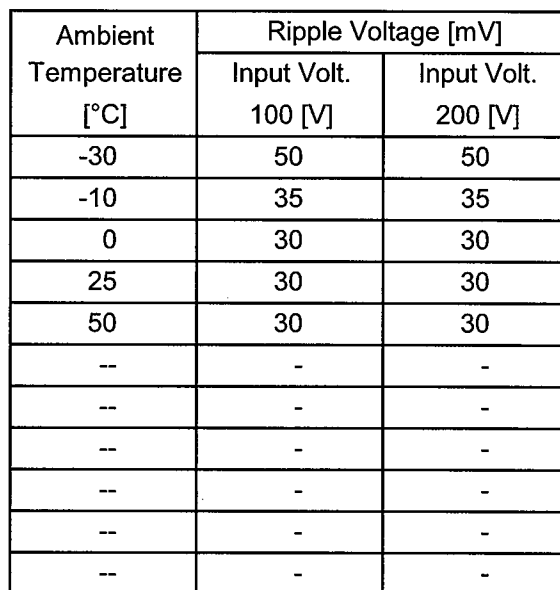
Model		SPLFA150F-24		Temperature Testing Circuitry	25°C Figure C																																						
Item		Ripple Voltage (by Load Current)																																									
Object		+24V6.3A																																									
1.Graph																																											
<div><div><div><div></div><div>Input Volt. 100V</div></div><div><div></div><div>Input Volt. 200V</div></div></div><div><p>Ripple Voltage [mV]</p><p>Load Current [A]</p></div></div>																																											
2.Values																																											
<table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple Voltage [mV]</th></tr><tr><th>Input Volt. 100 [V]</th><th>Input Volt. 200 [V]</th></tr><tr><td>0.00</td><td>10</td><td>10</td></tr><tr><td>1.00</td><td>15</td><td>15</td></tr><tr><td>2.00</td><td>20</td><td>20</td></tr><tr><td>3.00</td><td>25</td><td>25</td></tr><tr><td>4.00</td><td>30</td><td>30</td></tr><tr><td>5.00</td><td>30</td><td>30</td></tr><tr><td>6.00</td><td>30</td><td>30</td></tr><tr><td>6.30</td><td>30</td><td>30</td></tr><tr><td>6.93</td><td>35</td><td>35</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>						Load Current [A]	Ripple Voltage [mV]		Input Volt. 100 [V]	Input Volt. 200 [V]	0.00	10	10	1.00	15	15	2.00	20	20	3.00	25	25	4.00	30	30	5.00	30	30	6.00	30	30	6.30	30	30	6.93	35	35	--	-	-	--	-	-
Load Current [A]	Ripple Voltage [mV]																																										
	Input Volt. 100 [V]	Input Volt. 200 [V]																																									
0.00	10	10																																									
1.00	15	15																																									
2.00	20	20																																									
3.00	25	25																																									
4.00	30	30																																									
5.00	30	30																																									
6.00	30	30																																									
6.30	30	30																																									
6.93	35	35																																									
--	-	-																																									
--	-	-																																									
<p>Measured by 20 MHz Oscilloscope.</p> <p>Ripple Voltage is shown as p-p in the figure below.</p> <p>Note: Slanted line shows the range of the rated load current.</p>																																											
<div><div><div><div></div><div>T1: Due to AC Input Line</div></div><div><div></div><div>T2: Due to Switching</div></div></div><div><p>Ripple [mVp-p]</p><p>T1</p><p>T2</p></div></div>																																											
Fig. Complex Ripple Wave Form																																											

COSEL

Model	SPLFA150F-24																																								
Item	Ripple-Noise	Temperature	25°C																																						
Object	+24V6.3A	Testing Circuitry	Figure C																																						
1.Graph		2.Values																																							
<div><div><div>—△—</div><div>Input Volt. 100V</div></div><div><div>- - ○ - -</div><div>Input Volt. 200V</div></div></div> <p>Measured by 20 MHz Oscilloscope. Ripple-Noise is shown as p-p in the figure below. Note: Slanted line shows the range of the rated load current.</p>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="2">Ripple-Noise [mV]</th></tr><tr><th>Input Volt. 100 [V]</th><th>Input Volt. 200 [V]</th></tr><tr><td>0.00</td><td>30</td><td>30</td></tr><tr><td>1.00</td><td>35</td><td>35</td></tr><tr><td>2.00</td><td>40</td><td>40</td></tr><tr><td>3.00</td><td>40</td><td>40</td></tr><tr><td>4.00</td><td>40</td><td>40</td></tr><tr><td>5.00</td><td>40</td><td>40</td></tr><tr><td>6.00</td><td>45</td><td>45</td></tr><tr><td>6.30</td><td>45</td><td>45</td></tr><tr><td>6.93</td><td>50</td><td>50</td></tr><tr><td>--</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Load Current [A]	Ripple-Noise [mV]		Input Volt. 100 [V]	Input Volt. 200 [V]	0.00	30	30	1.00	35	35	2.00	40	40	3.00	40	40	4.00	40	40	5.00	40	40	6.00	45	45	6.30	45	45	6.93	50	50	--	-	-	--	-	-
Load Current [A]	Ripple-Noise [mV]																																								
	Input Volt. 100 [V]	Input Volt. 200 [V]																																							
0.00	30	30																																							
1.00	35	35																																							
2.00	40	40																																							
3.00	40	40																																							
4.00	40	40																																							
5.00	40	40																																							
6.00	45	45																																							
6.30	45	45																																							
6.93	50	50																																							
--	-	-																																							
--	-	-																																							
<div><div>T1: Due to AC Input Line</div><div>T2: Due to Switching</div></div> <p>Fig. Complex Ripple Wave Form</p>																																									

Testing Circuitry Figure C

2.Values



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

BC-10626



		Testing Circuitry Figure A
Model	SPLFA150F-24	
Item	Output Voltage Accuracy	
Object	+24V6.3A	

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 : 85 - 264V

Load Current : 0 - 6.3A

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

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

2. Values

Item	Temperature [°C]	Input Voltage[V]	Output		Output Voltage Accuracy	
			Current[A]	Voltage[V]	Value [mV]	Ration [%]
Maximum Voltage	25	85	0	24.533	±33	±0.1
Minimum Voltage	-10	200	6.3	24.468		

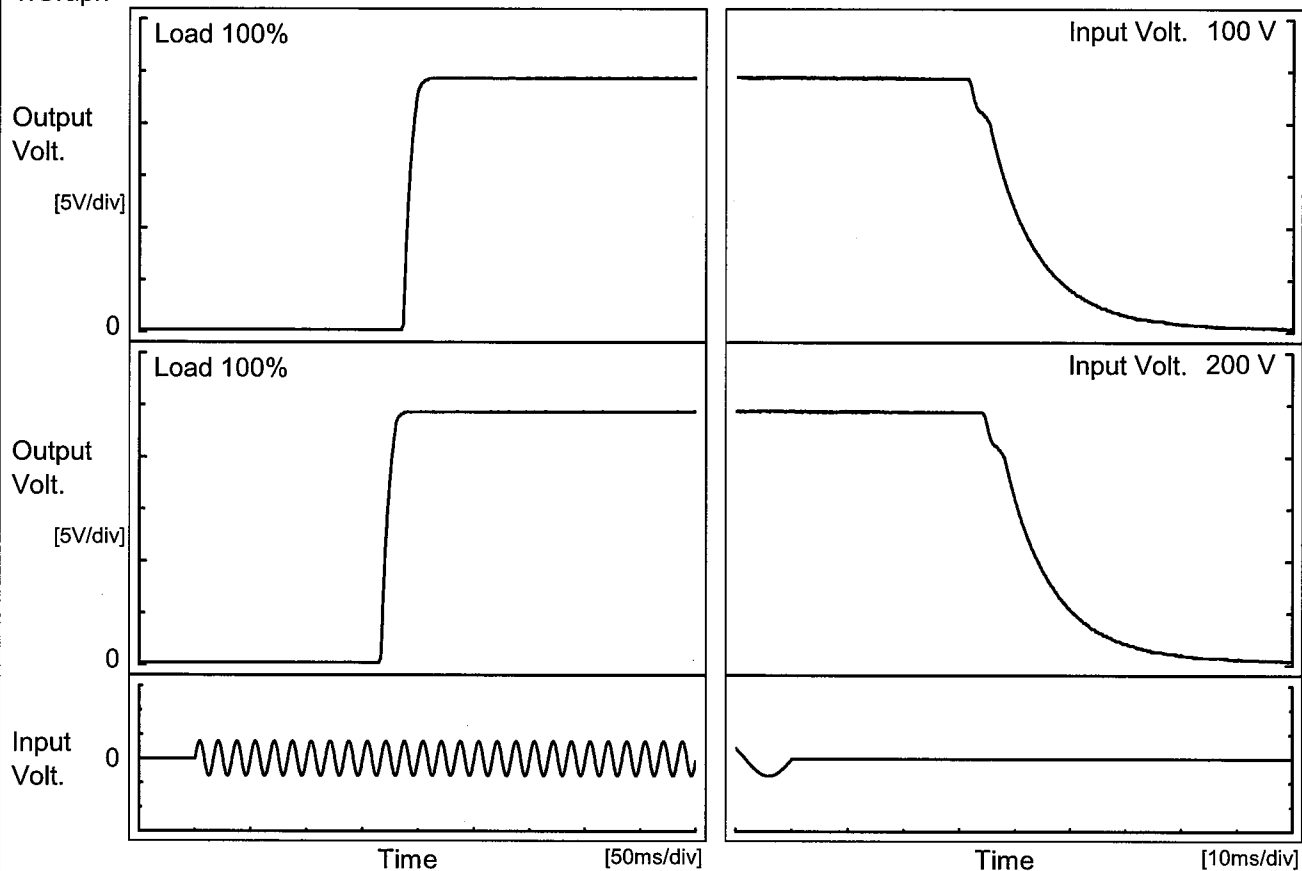
COSEL

Model		SPLFA150F-24																							
Item		Time Lapse Drift																							
Object		+24V6.3A																							
1.Graph		2.Values																							
<div><div><div><div>24.80</div><div>24.70</div><div>24.60</div><div>24.50</div><div>24.40</div><div>24.30</div><div>24.20</div><div>24.10</div></div><div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div><div><div>Output Voltage [V]</div><div>Time [H]</div></div></div><div><div>Input Volt.</div><div>100V</div></div><div><div>Load</div><div>100%</div></div></div> <div><p>* The characteristic of AC200V is equal.</p></div>		<table><tr><th>Time since start [H]</th><th>Output Voltage [V]</th></tr><tr><td>0.0</td><td>24.484</td></tr><tr><td>0.5</td><td>24.457</td></tr><tr><td>1.0</td><td>24.457</td></tr><tr><td>2.0</td><td>24.457</td></tr><tr><td>3.0</td><td>24.457</td></tr><tr><td>4.0</td><td>24.457</td></tr><tr><td>5.0</td><td>24.457</td></tr><tr><td>6.0</td><td>24.457</td></tr><tr><td>7.0</td><td>24.457</td></tr><tr><td>8.0</td><td>24.457</td></tr></table>		Time since start [H]	Output Voltage [V]	0.0	24.484	0.5	24.457	1.0	24.457	2.0	24.457	3.0	24.457	4.0	24.457	5.0	24.457	6.0	24.457	7.0	24.457	8.0	24.457
Time since start [H]	Output Voltage [V]																								
0.0	24.484																								
0.5	24.457																								
1.0	24.457																								
2.0	24.457																								
3.0	24.457																								
4.0	24.457																								
5.0	24.457																								
6.0	24.457																								
7.0	24.457																								
8.0	24.457																								
		Temperature 25°C																							
		Testing Circuitry Figure A																							

COSEL

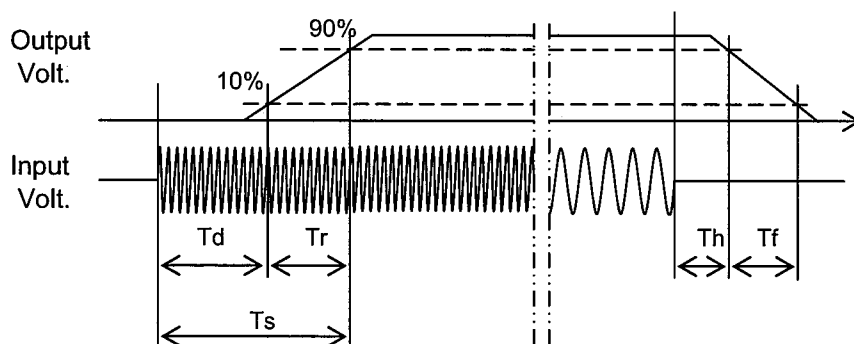
Model	SPLFA150F-24	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	+24V6.3A		

1. Graph



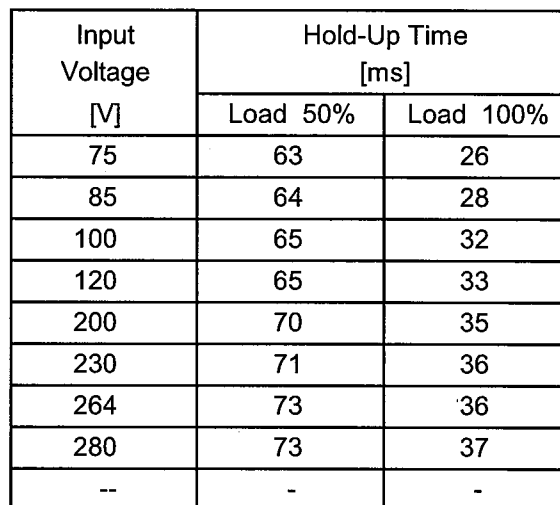
2. Values

Input Volt.	Time	Td	Tr	Ts	Th	Tf
100 V		187.5	10.8	198.3	32.9	21.9
200 V		167.5	10.8	178.3	35.6	21.9



Temperature 25°C
Testing Circuitry Figure A

2.Values



- 19 -

Model	SPLFA150F-24																																																					
Item	Instantaneous Interruption Compensation	Temperature	25°C																																																			
Object	+24V6.3A	Testing Circuitry	Figure A																																																			
1.Graph		2.Values																																																				
<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>Instantaneous Compensation Time [ms]</p> <p>Load Current [A]</p>		<table><tr><th rowspan="2">Load Current [A]</th><th colspan="3">Time [ms]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th><th>Input Volt. 230[V]</th></tr><tr><td>0.00</td><td>-</td><td>-</td><td>-</td></tr><tr><td>1.00</td><td>172</td><td>203</td><td>205</td></tr><tr><td>2.00</td><td>89</td><td>111</td><td>112</td></tr><tr><td>3.00</td><td>63</td><td>75</td><td>77</td></tr><tr><td>4.00</td><td>47</td><td>56</td><td>58</td></tr><tr><td>5.00</td><td>38</td><td>45</td><td>46</td></tr><tr><td>6.00</td><td>35</td><td>37</td><td>38</td></tr><tr><td>6.30</td><td>29</td><td>34</td><td>35</td></tr><tr><td>6.93</td><td>27</td><td>31</td><td>31</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr><tr><td>--</td><td>-</td><td>-</td><td>-</td></tr></table>		Load Current [A]	Time [ms]			Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]	0.00	-	-	-	1.00	172	203	205	2.00	89	111	112	3.00	63	75	77	4.00	47	56	58	5.00	38	45	46	6.00	35	37	38	6.30	29	34	35	6.93	27	31	31	--	-	-	-	--	-	-	-
Load Current [A]	Time [ms]																																																					
	Input Volt. 100[V]	Input Volt. 200[V]	Input Volt. 230[V]																																																			
0.00	-	-	-																																																			
1.00	172	203	205																																																			
2.00	89	111	112																																																			
3.00	63	75	77																																																			
4.00	47	56	58																																																			
5.00	38	45	46																																																			
6.00	35	37	38																																																			
6.30	29	34	35																																																			
6.93	27	31	31																																																			
--	-	-	-																																																			
--	-	-	-																																																			
Note: Slanted line shows the range of the rated load current.																																																						

COSEL

		Testing Circuitry Figure A
Model	SPLFA150F-24	
Item	Minimum Input Voltage for Regulated Output Voltage	
Object	+24V6.3A	
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><div></div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div>		

Model	SPLFA150F-24																																											
Item	Overcurrent Protection	Temperature	25°C																																									
Object	+24V6.3A	Testing Circuitry	Figure A																																									
1.Graph		2.Values																																										
<div><div><div></div><div>Input Volt. 100V</div></div><div><div></div><div>Input Volt. 200V</div></div></div> <p>Note: Slanted line shows the range of the rated load current.</p>		<table><tr><th rowspan="2">Output Voltage [V]</th><th colspan="2">Load Current [A]</th></tr><tr><th>Input Volt. 100[V]</th><th>Input Volt. 200[V]</th></tr><tr><td>22.8</td><td>7.63</td><td>7.59</td></tr><tr><td>21.6</td><td>7.64</td><td>7.60</td></tr><tr><td>19.2</td><td>7.63</td><td>7.60</td></tr><tr><td>16.8</td><td>7.69</td><td>7.64</td></tr><tr><td>14.4</td><td>7.75</td><td>7.68</td></tr><tr><td>12.0</td><td>7.76</td><td>7.70</td></tr><tr><td>9.6</td><td>7.76</td><td>7.69</td></tr><tr><td>7.2</td><td>7.78</td><td>7.73</td></tr><tr><td>4.8</td><td>7.85</td><td>7.79</td></tr><tr><td>2.4</td><td>7.93</td><td>7.91</td></tr><tr><td>0.0</td><td>8.73</td><td>8.60</td></tr><tr><td>--</td><td>-</td><td>-</td></tr></table>		Output Voltage [V]	Load Current [A]		Input Volt. 100[V]	Input Volt. 200[V]	22.8	7.63	7.59	21.6	7.64	7.60	19.2	7.63	7.60	16.8	7.69	7.64	14.4	7.75	7.68	12.0	7.76	7.70	9.6	7.76	7.69	7.2	7.78	7.73	4.8	7.85	7.79	2.4	7.93	7.91	0.0	8.73	8.60	--	-	-
Output Voltage [V]	Load Current [A]																																											
	Input Volt. 100[V]	Input Volt. 200[V]																																										
22.8	7.63	7.59																																										
21.6	7.64	7.60																																										
19.2	7.63	7.60																																										
16.8	7.69	7.64																																										
14.4	7.75	7.68																																										
12.0	7.76	7.70																																										
9.6	7.76	7.69																																										
7.2	7.78	7.73																																										
4.8	7.85	7.79																																										
2.4	7.93	7.91																																										
0.0	8.73	8.60																																										
--	-	-																																										

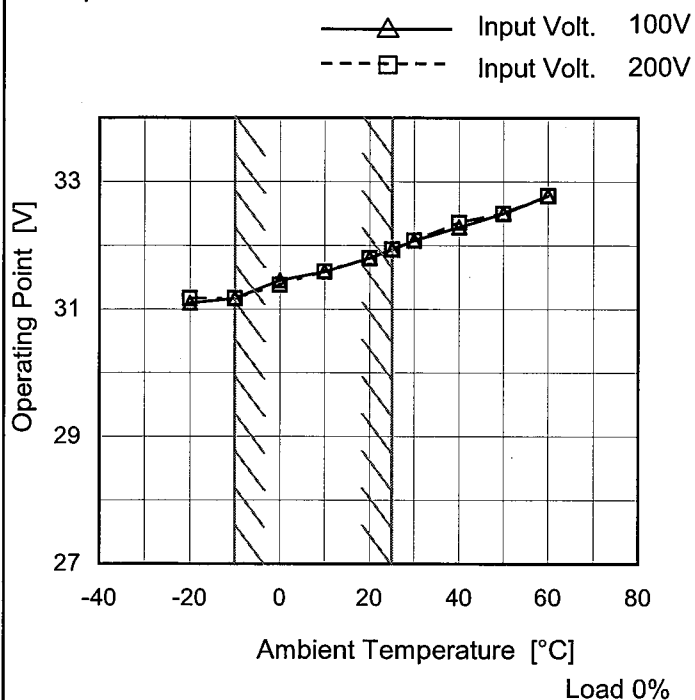
Model SPLFA150F-24

Item Overvoltage Protection

Object +24V6.3A

Testing Circuitry Figure A

1. Graph



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

2. Values

Ambient Temperature [°C]	Operating Point [V]	
	Input Volt. 100[V]	Input Volt. 200[V]
-20	31.10	31.17
-10	31.17	31.17
0	31.45	31.38
10	31.59	31.59
20	31.80	31.80
25	31.94	31.94
30	32.08	32.08
40	32.29	32.36
50	32.50	32.50
60	32.78	32.78
--	-	-

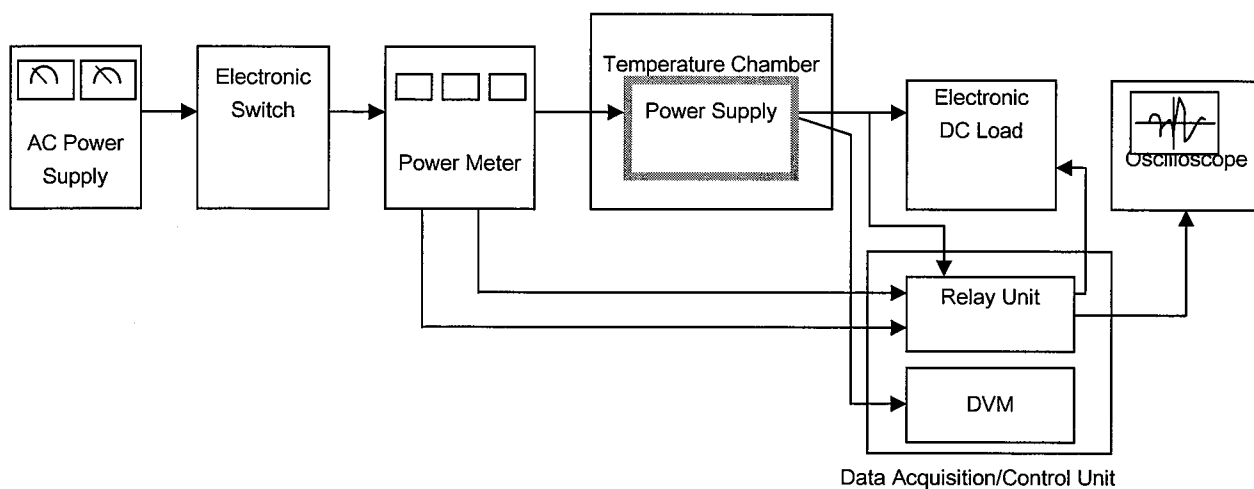


Figure A

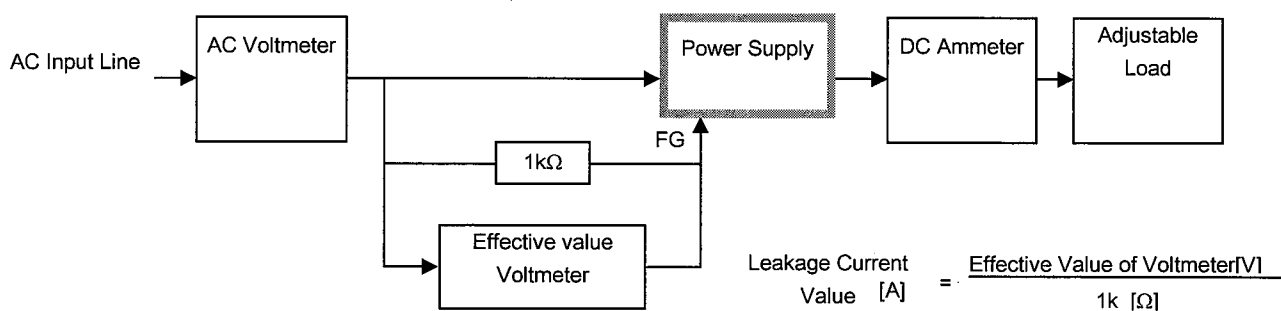


Figure B (DEN-AN)

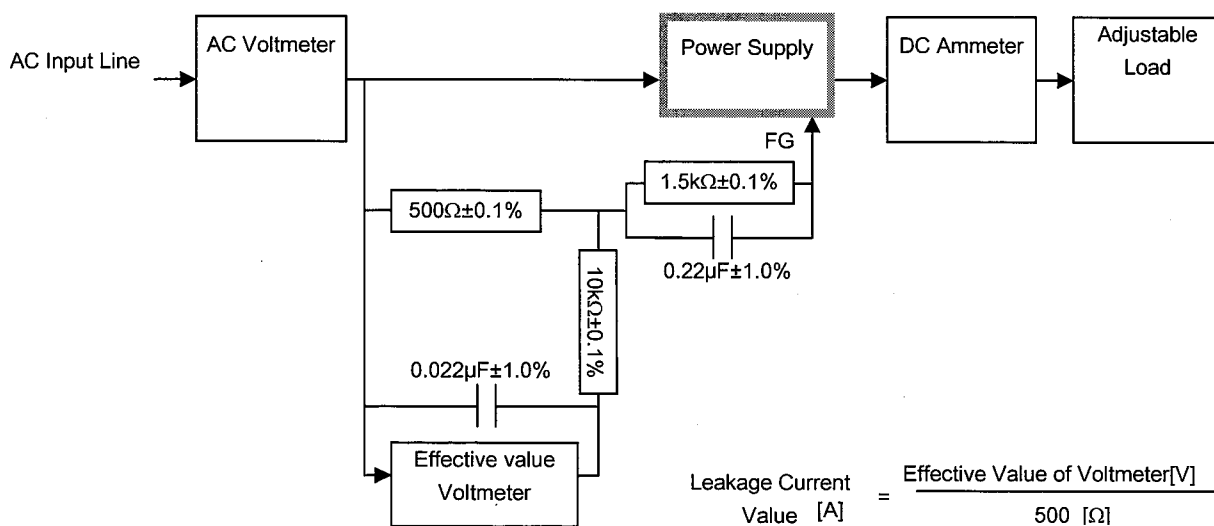


Figure B (IEC60950-1)

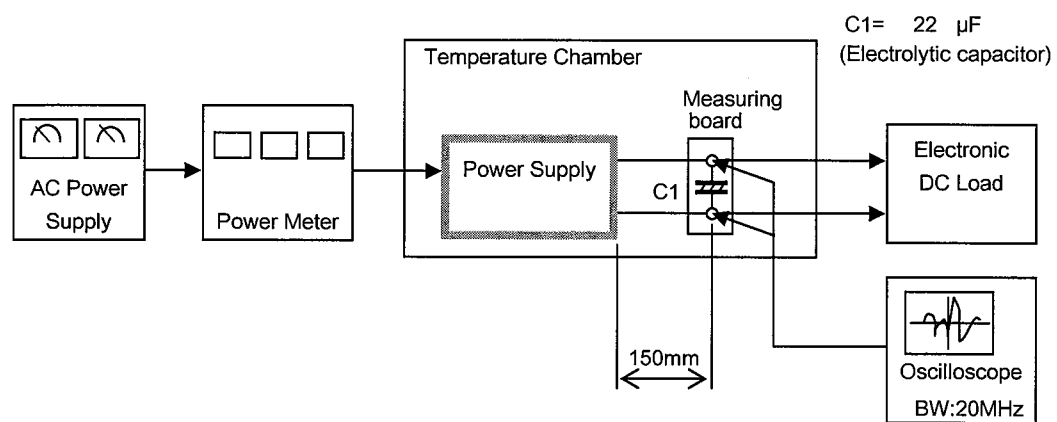


Figure C