

Test Data


Model Number: UZP-120-24-JB0

Model Name: DC POWER SUPPLY

INPUT: 85V – 264V AC, 50 / 60 Hz

OUTPUT: 24 V 5.0A (8.4 A_{peak})

Minimum load : 0W
Rated load : 120.0W
Peak output power: 201.4W

Approved by :  (QA manager)
Designed by : Kazuhiko Yamada (R&D engineer)
Tested by : Hiroyuki Watanabe (Evaluation test engineer)

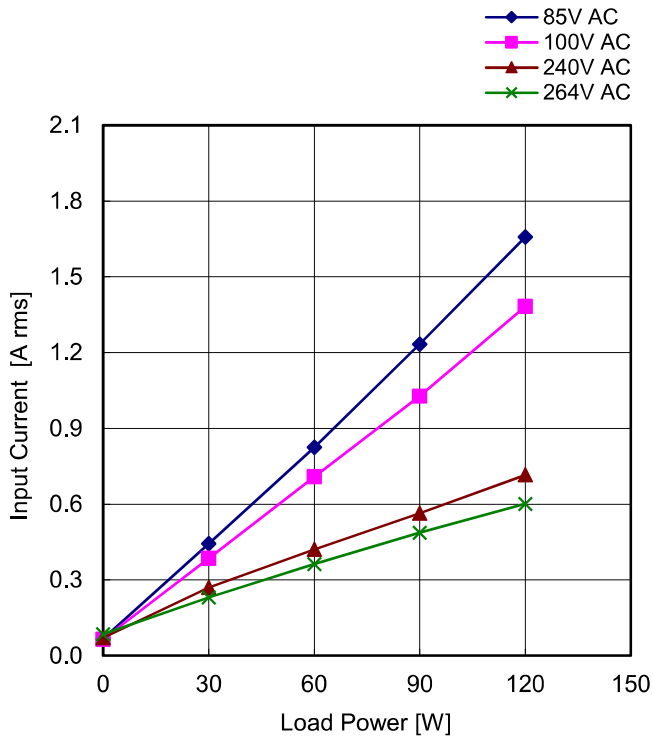
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Model UZP-120-24-JB0

Temperature: 25°C

Item Input Current (by Load Power)



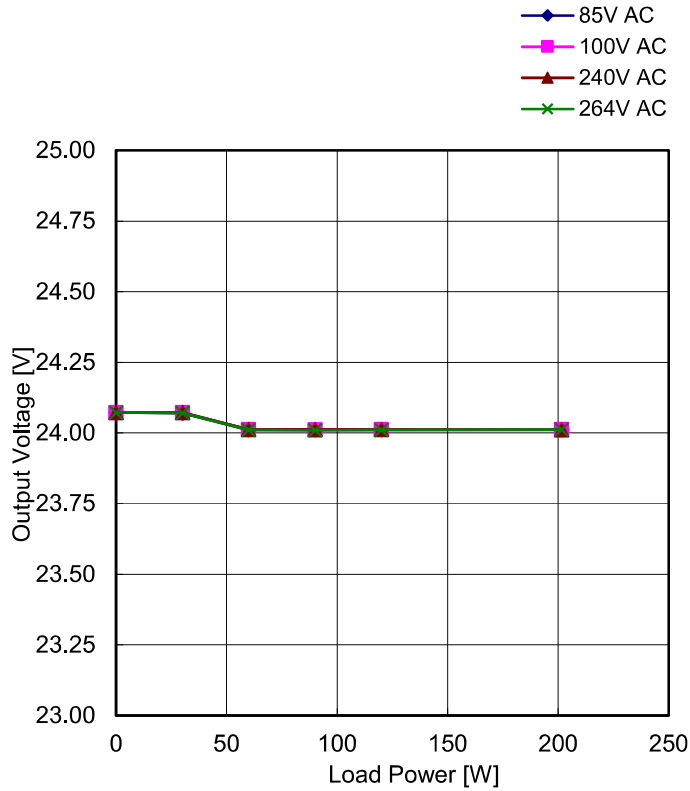
| Load Power [W] | Input Current [A rms] | | | |
|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Input Voltage 85V AC | Input Voltage 100V AC | Input Voltage 240V AC | Input Voltage 264V AC |
| 0.0 | 0.07 | 0.07 | 0.07 | 0.09 |
| 30.0 | 0.44 | 0.39 | 0.27 | 0.23 |
| 60.0 | 0.83 | 0.71 | 0.42 | 0.36 |
| 90.0 | 1.23 | 1.03 | 0.56 | 0.49 |
| 120.0 | 1.66 | 1.38 | 0.72 | 0.60 |

| Model | UZP-120-24-JB0 | Temperature: 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|-----------------------|-----------------------|-----------------------|----------------|------------|----|-------|----------------------|-----------------------|-----------------------|-----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Item | Efficiency | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>■ Efficiency(by Input Voltage)</p> <table border="1"> <thead> <tr> <th>AC Input Voltage [V]</th> <th>50% Load</th> <th>Rated Load</th> </tr> </thead> <tbody> <tr><td>85</td><td>88.27</td><td>87.45</td></tr> <tr><td>100</td><td>88.81</td><td>89.30</td></tr> <tr><td>132</td><td>89.76</td><td>91.01</td></tr> <tr><td>176</td><td>90.30</td><td>91.90</td></tr> <tr><td>200</td><td>90.50</td><td>92.18</td></tr> <tr><td>220</td><td>90.55</td><td>92.46</td></tr> <tr><td>240</td><td>90.84</td><td>92.60</td></tr> <tr><td>264</td><td>90.91</td><td>92.72</td></tr> </tbody> </table> | | | | AC Input Voltage [V] | 50% Load | Rated Load | 85 | 88.27 | 87.45 | 100 | 88.81 | 89.30 | 132 | 89.76 | 91.01 | 176 | 90.30 | 91.90 | 200 | 90.50 | 92.18 | 220 | 90.55 | 92.46 | 240 | 90.84 | 92.60 | 264 | 90.91 | 92.72 | | |
| AC Input Voltage [V] | 50% Load | Rated Load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 88.27 | 87.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 88.81 | 89.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | 89.76 | 91.01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176 | 90.30 | 91.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 90.50 | 92.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 90.55 | 92.46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 90.84 | 92.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 90.91 | 92.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>■ Efficiency(by Load Power)</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</th> <th colspan="4">Efficiency [%]</th> </tr> <tr> <th>Input Voltage 85V AC</th> <th>Input Voltage 100V AC</th> <th>Input Voltage 240V AC</th> <th>Input Voltage 264V AC</th> </tr> </thead> <tbody> <tr><td>30.0</td><td>84.47</td><td>84.97</td><td>86.22</td><td>86.61</td></tr> <tr><td>60.0</td><td>88.27</td><td>88.81</td><td>90.84</td><td>90.91</td></tr> <tr><td>90.0</td><td>88.46</td><td>89.90</td><td>92.24</td><td>92.59</td></tr> <tr><td>120.0</td><td>87.45</td><td>89.30</td><td>92.60</td><td>92.72</td></tr> </tbody> </table> | | | | Load Power [W] | Efficiency [%] | | | | Input Voltage 85V AC | Input Voltage 100V AC | Input Voltage 240V AC | Input Voltage 264V AC | 30.0 | 84.47 | 84.97 | 86.22 | 86.61 | 60.0 | 88.27 | 88.81 | 90.84 | 90.91 | 90.0 | 88.46 | 89.90 | 92.24 | 92.59 | 120.0 | 87.45 | 89.30 | 92.60 | 92.72 |
| Load Power [W] | Efficiency [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Voltage 85V AC | Input Voltage 100V AC | Input Voltage 240V AC | Input Voltage 264V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30.0 | 84.47 | 84.97 | 86.22 | 86.61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60.0 | 88.27 | 88.81 | 90.84 | 90.91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90.0 | 88.46 | 89.90 | 92.24 | 92.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120.0 | 87.45 | 89.30 | 92.60 | 92.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Model | UZP-120-24-JB0 | Temperature: 25°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|-----------------------|-----------------------|-----------------------|------------------|------------|----|------|----------------------|-----------------------|-----------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Item | Power Factor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>■ Power Factor (by Input Voltage)</p> <table border="1"> <thead> <tr> <th>AC Input Voltage [V]</th> <th>50% Load</th> <th>Rated Load</th> </tr> </thead> <tbody> <tr><td>85</td><td>98.5</td><td>98.9</td></tr> <tr><td>100</td><td>97.4</td><td>98.7</td></tr> <tr><td>132</td><td>94.0</td><td>97.8</td></tr> <tr><td>176</td><td>86.1</td><td>94.5</td></tr> <tr><td>200</td><td>80.3</td><td>92.2</td></tr> <tr><td>220</td><td>75.7</td><td>89.3</td></tr> <tr><td>240</td><td>71.9</td><td>86.5</td></tr> <tr><td>264</td><td>69.9</td><td>82.5</td></tr> </tbody> </table> | | | | AC Input Voltage [V] | 50% Load | Rated Load | 85 | 98.5 | 98.9 | 100 | 97.4 | 98.7 | 132 | 94.0 | 97.8 | 176 | 86.1 | 94.5 | 200 | 80.3 | 92.2 | 220 | 75.7 | 89.3 | 240 | 71.9 | 86.5 | 264 | 69.9 | 82.5 | | |
| AC Input Voltage [V] | 50% Load | Rated Load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 98.5 | 98.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 97.4 | 98.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | 94.0 | 97.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176 | 86.1 | 94.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 80.3 | 92.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 75.7 | 89.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 71.9 | 86.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 69.9 | 82.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>■ Power Factor (by Load Power)</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</th> <th colspan="4">Power Factor [%]</th> </tr> <tr> <th>Input Voltage 85V AC</th> <th>Input Voltage 100V AC</th> <th>Input Voltage 240V AC</th> <th>Input Voltage 264V AC</th> </tr> </thead> <tbody> <tr><td>30.0</td><td>95.8</td><td>93.2</td><td>65.3</td><td>57.6</td></tr> <tr><td>60.0</td><td>98.5</td><td>97.4</td><td>80.3</td><td>69.9</td></tr> <tr><td>90.0</td><td>98.6</td><td>98.8</td><td>88.0</td><td>76.8</td></tr> <tr><td>120.0</td><td>98.9</td><td>98.7</td><td>92.2</td><td>82.5</td></tr> </tbody> </table> | | | | Load Power [W] | Power Factor [%] | | | | Input Voltage 85V AC | Input Voltage 100V AC | Input Voltage 240V AC | Input Voltage 264V AC | 30.0 | 95.8 | 93.2 | 65.3 | 57.6 | 60.0 | 98.5 | 97.4 | 80.3 | 69.9 | 90.0 | 98.6 | 98.8 | 88.0 | 76.8 | 120.0 | 98.9 | 98.7 | 92.2 | 82.5 |
| Load Power [W] | Power Factor [%] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Input Voltage 85V AC | Input Voltage 100V AC | Input Voltage 240V AC | Input Voltage 264V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30.0 | 95.8 | 93.2 | 65.3 | 57.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60.0 | 98.5 | 97.4 | 80.3 | 69.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90.0 | 98.6 | 98.8 | 88.0 | 76.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120.0 | 98.9 | 98.7 | 92.2 | 82.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

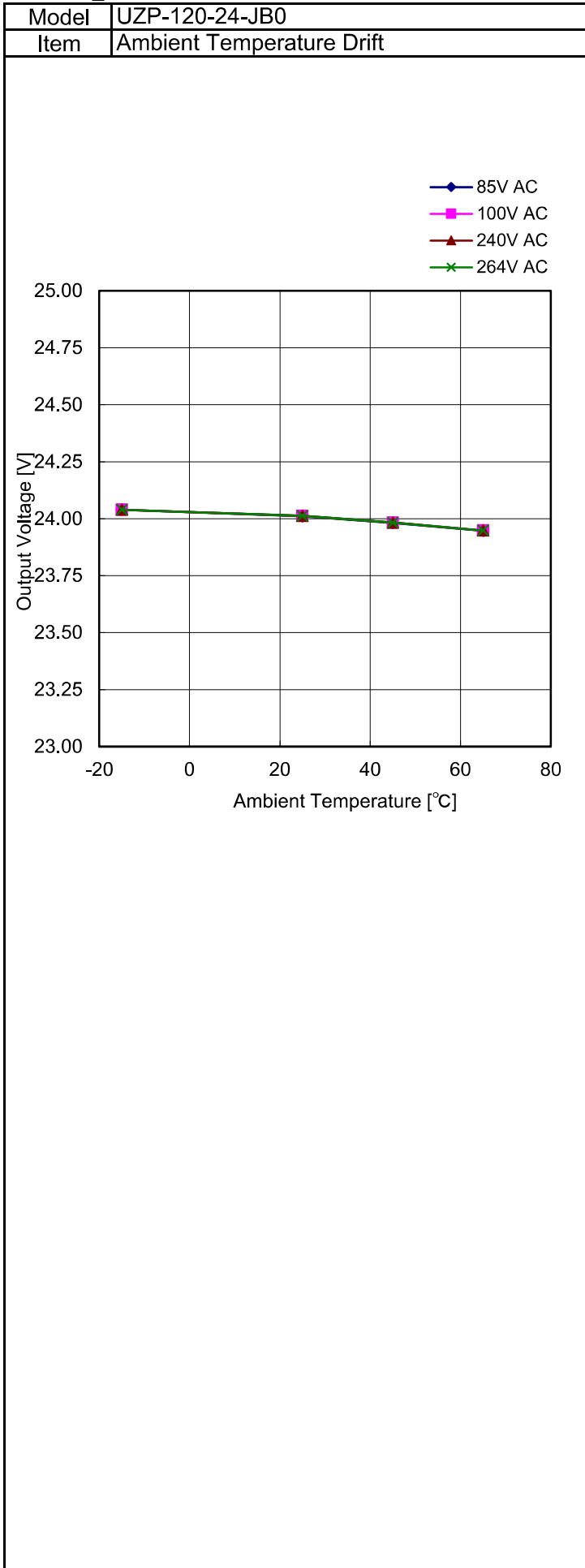
| Model | UZP-120-24-JB0 | Temperature: 25°C | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|----------------------|--------------------|----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| Item | Line Regulation | | | | | | | | | | | | | | | | | | | |
| <p>The graph plots Output Voltage [V] on the y-axis (ranging from 23.00 to 25.00) against AC Input Voltage [V] on the x-axis (ranging from 50 to 300). A single data series labeled 'Rated load' shows a constant output voltage of approximately 24.00V for input voltages from 85V to 264V.</p> | | <table border="1"> <thead> <tr> <th>AC Input Voltage [V]</th> <th>Output Voltage [V]</th> </tr> </thead> <tbody> <tr> <td>85</td> <td>24.011</td> </tr> <tr> <td>100</td> <td>24.012</td> </tr> <tr> <td>132</td> <td>24.012</td> </tr> <tr> <td>176</td> <td>24.012</td> </tr> <tr> <td>200</td> <td>24.012</td> </tr> <tr> <td>220</td> <td>24.012</td> </tr> <tr> <td>240</td> <td>24.012</td> </tr> <tr> <td>264</td> <td>24.012</td> </tr> </tbody> </table> | AC Input Voltage [V] | Output Voltage [V] | 85 | 24.011 | 100 | 24.012 | 132 | 24.012 | 176 | 24.012 | 200 | 24.012 | 220 | 24.012 | 240 | 24.012 | 264 | 24.012 |
| AC Input Voltage [V] | Output Voltage [V] | | | | | | | | | | | | | | | | | | | |
| 85 | 24.011 | | | | | | | | | | | | | | | | | | | |
| 100 | 24.012 | | | | | | | | | | | | | | | | | | | |
| 132 | 24.012 | | | | | | | | | | | | | | | | | | | |
| 176 | 24.012 | | | | | | | | | | | | | | | | | | | |
| 200 | 24.012 | | | | | | | | | | | | | | | | | | | |
| 220 | 24.012 | | | | | | | | | | | | | | | | | | | |
| 240 | 24.012 | | | | | | | | | | | | | | | | | | | |
| 264 | 24.012 | | | | | | | | | | | | | | | | | | | |

| | | |
|-------|-----------------|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Load Regulation | |



| Load Power [W] | Output Voltage [V] | | | |
|----------------|----------------------|-----------------------|-----------------------|-----------------------|
| | Input Voltage 85V AC | Input Voltage 100V AC | Input Voltage 240V AC | Input Voltage 264V AC |
| 0.0 | 24.072 | 24.072 | 24.072 | 24.072 |
| 30.0 | 24.070 | 24.071 | 24.071 | 24.070 |
| 60.0 | 24.012 | 24.012 | 24.012 | 24.011 |
| 90.0 | 24.012 | 24.011 | 24.012 | 24.009 |
| 120.0 | 24.012 | 24.012 | 24.012 | 24.011 |
| 201.6 | 24.012 | 24.012 | 24.011 | 24.012 |

| Load Power [W] | Load Condition | |
|----------------|------------------|--|
| | Load Current [A] | |
| 0.0 | 24V | |
| 30.0 | 0.00 | |
| 60.0 | 1.25 | |
| 90.0 | 2.50 | |
| 120.0 | 3.75 | |
| 201.6 | 5.00 | |
| | 8.40 | |



| Ambient Temp. (°C) | Output Voltage [V] | | | |
|--------------------|----------------------|-----------------------|-----------------------|-----------------------|
| | Input Voltage 85V AC | Input Voltage 100V AC | Input Voltage 240V AC | Input Voltage 264V AC |
| -15 | 24.039 | 24.039 | 24.039 | 24.039 |
| 25 | 24.011 | 24.012 | 24.012 | 24.012 |
| 45 | 23.981 | 23.982 | 23.982 | 23.983 |
| 65 | 23.947 | 23.948 | 23.948 | 23.948 |

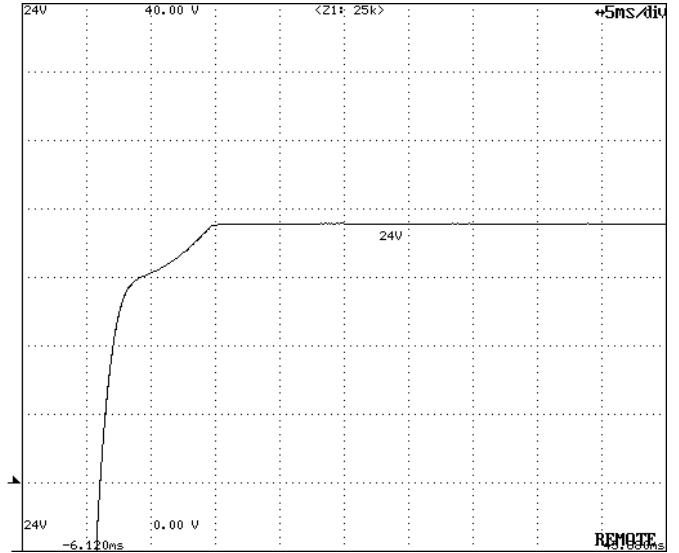
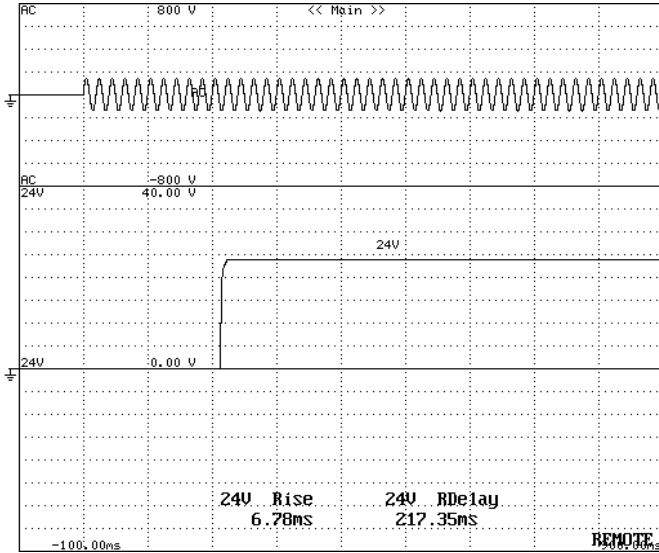
| Ambient Temp. (°C) | Load Current [A] |
|--------------------|------------------|
| | 24V |
| -15 | 5.00 |
| 25 | 5.00 |
| 45 | 5.00 |
| 65 | 3.75 |

| | | |
|-------|--|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Output Rise Characteristics (at AC Power ON) | |

Input: 100V AC
Load: Rated Load

Timebase Range: 100ms/div

Vertical Sensitivity: 5V/div
Timebase Range: 5ms/div



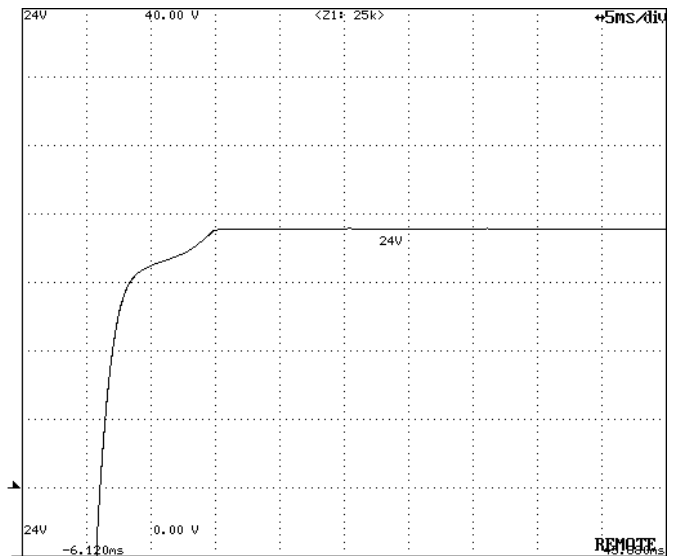
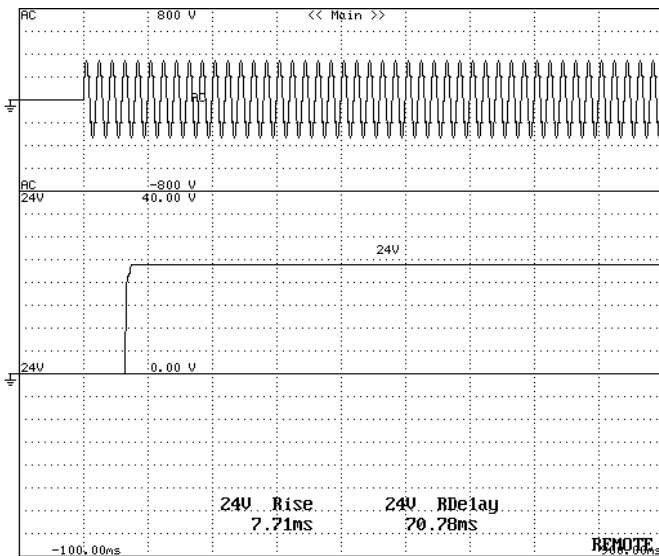
All Output Start-up Sequence

24V DC Output Rise Characteristics

Input: 240V AC
Load: Rated Load

Timebase Range: 100ms/div

Vertical Sensitivity: 5V/div
Timebase Range: 5ms/div



All Output Start-up Sequence

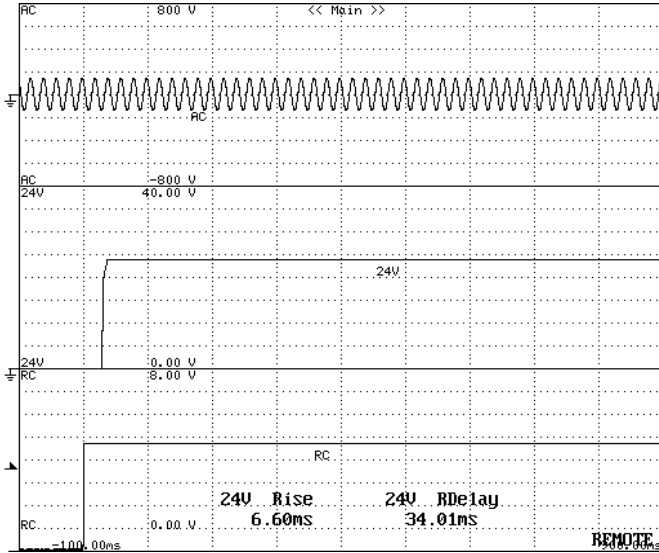
24V DC Output Rise Characteristics

| | | |
|-------|--|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Output Rise Characteristics (at Remote ON) | |

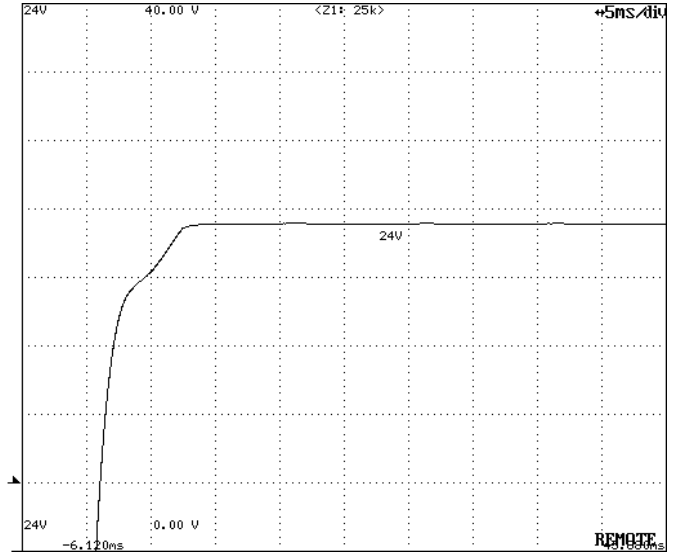
Input: 100V AC
Load: Rated Load

Timebase Range: 100ms/div

Vertical Sensitivity: 5V/div
Timebase Range: 5ms/div



All Output Start-up Sequence

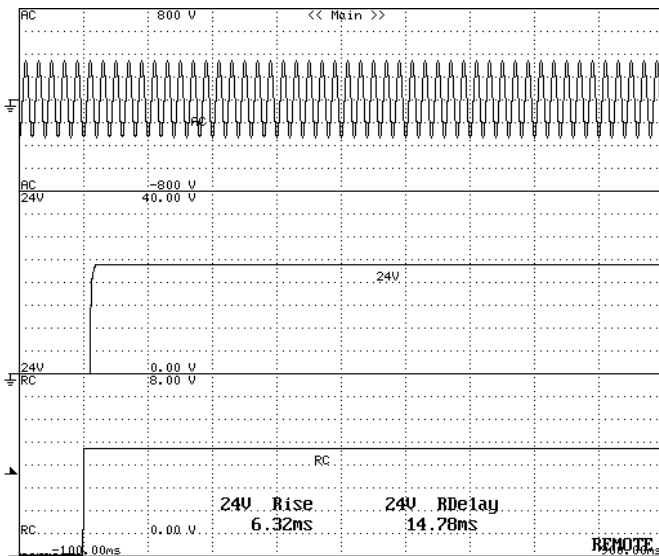


24V DC Output Rise Characteristics

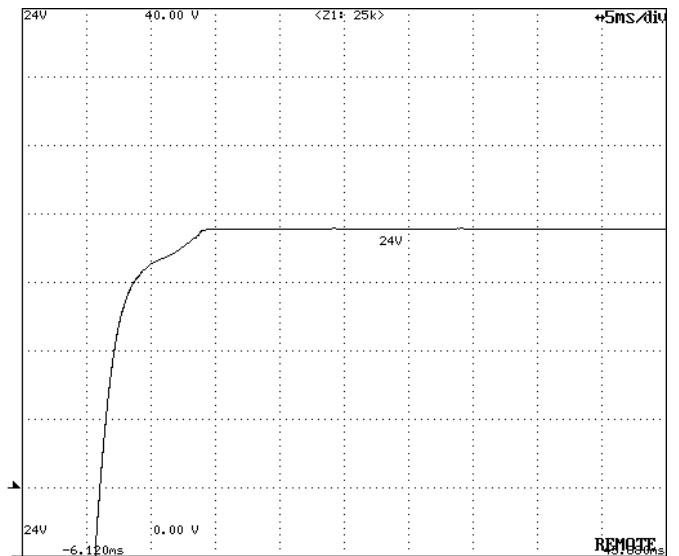
Input: 240V AC
Load: Rated Load

Timebase Range: 100ms/div

Vertical Sensitivity: 5V/div
Timebase Range: 5ms/div



All Output Start-up Sequence

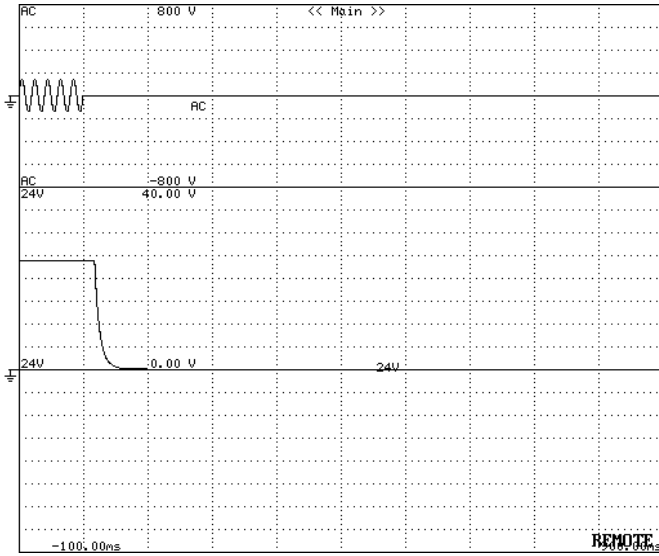


24V DC Output Rise Characteristics

| | | |
|-------|---|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Output Fall Characteristics (at AC Power OFF) | |

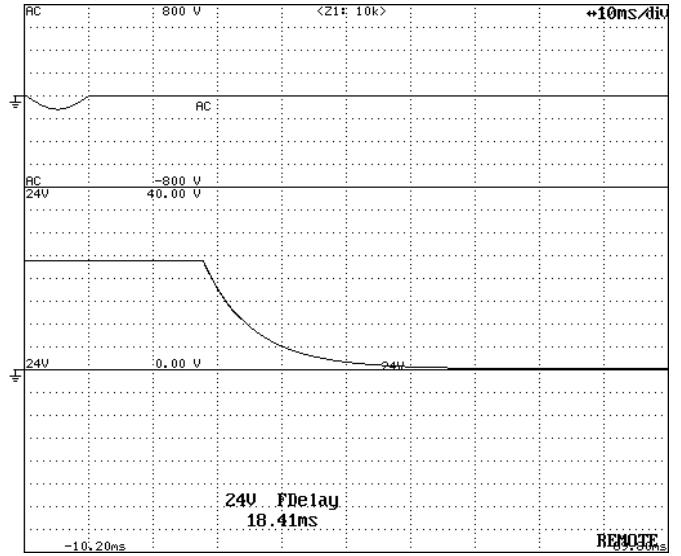
Input: 100V AC
Load: Rated Load

Timebase Range: 100ms/div



Output Fall Characteristics

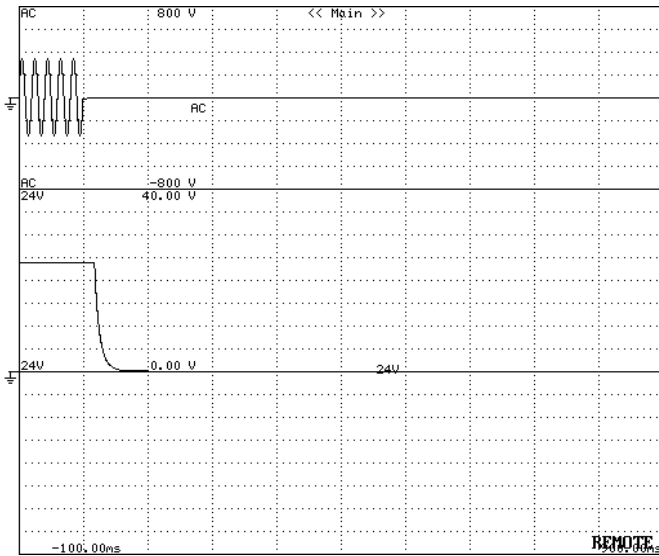
Timebase Range: 10ms/div



Output Fall Characteristics (magnification)

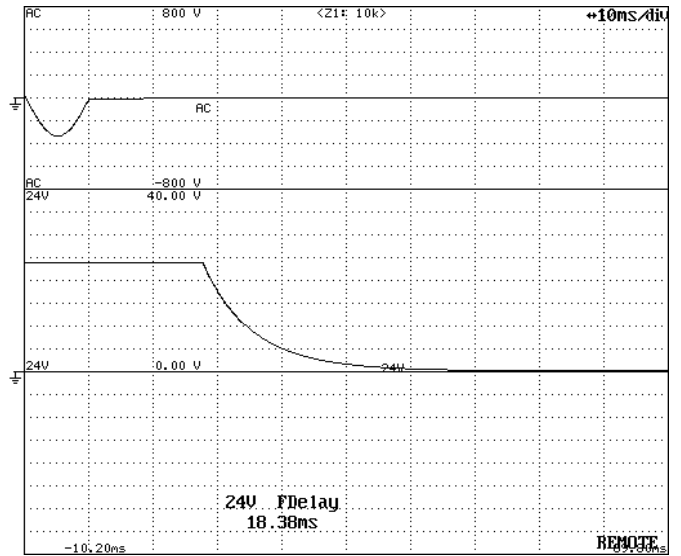
Input: 240V AC
Load: Rated Load

Timebase Range: 100ms/div



Output Fall Characteristics

Timebase Range: 10ms/div

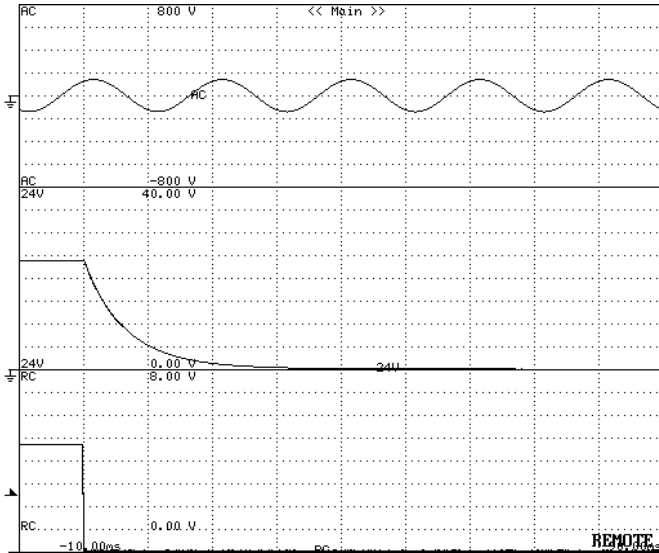


Output Fall Characteristics (magnification)

| | | |
|-------|---|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Output Fall Characteristics (at Remote OFF) | |

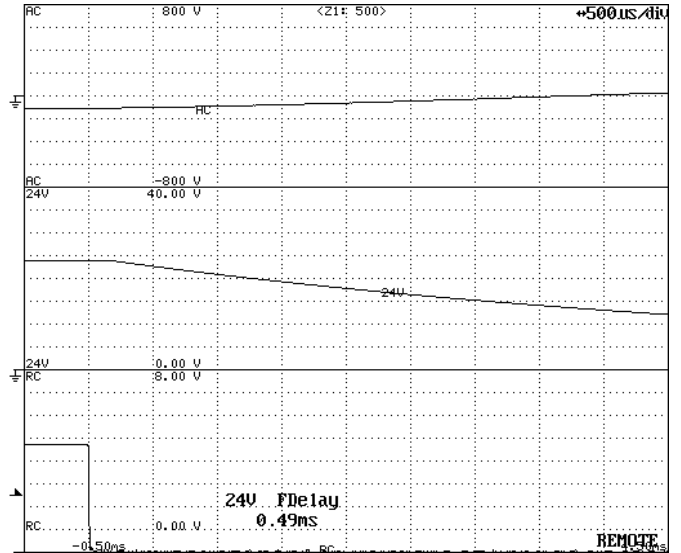
Input: 100V AC
Load: Rated Load

Timebase Range: 10ms/div



Output Fall Characteristics

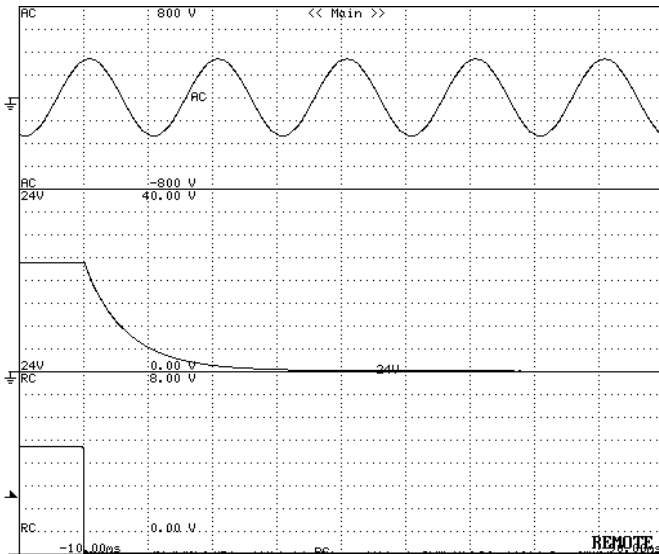
Timebase Range: 500 μs/div



Output Fall Characteristics (magnification)

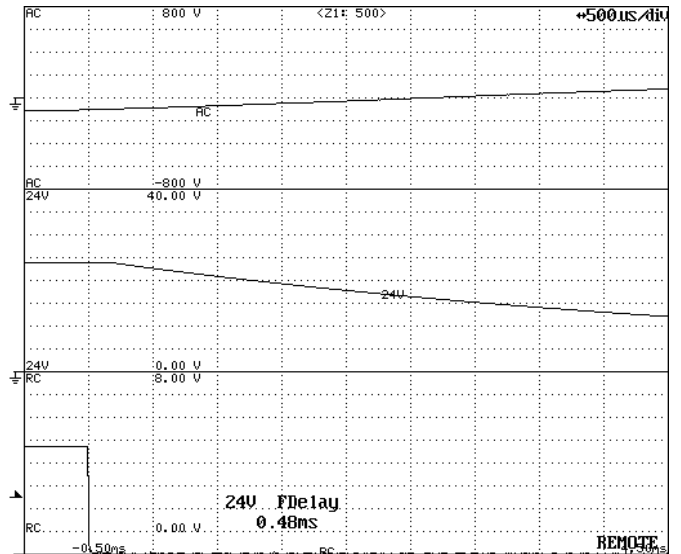
Input: 240V AC
Load: Rated Load

Timebase Range: 10ms/div



Output Fall Characteristics

Timebase Range: 500 μs/div



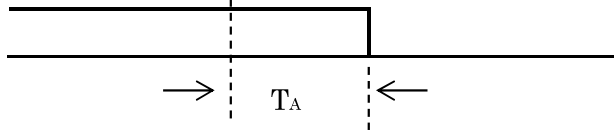
Output Fall Characteristics (magnification)

| | | |
|-------|---|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Instantaneous Interruption Compensation (by Load Power) | |

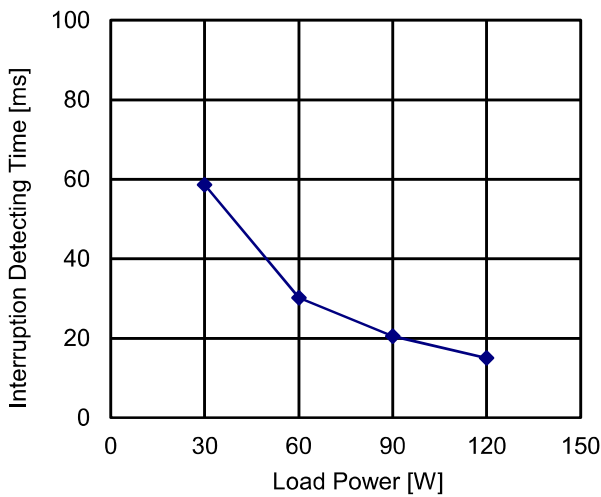
Input Voltage



Output Voltage

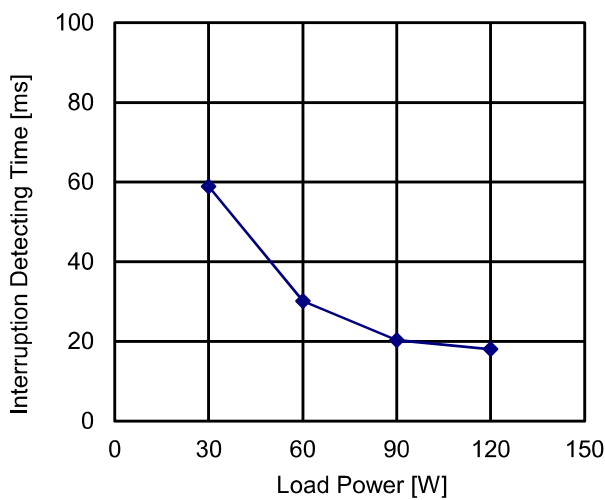


Input Voltage:100V AC



| Load Power [W] | Interruption Detecting Time [ms] |
|----------------|----------------------------------|
| | Output Voltage |
| | T _A |
| 30.0 | 58.6 |
| 60.0 | 30.2 |
| 90.0 | 20.6 |
| 120.0 | 15.1 |

Input Voltage:240V AC

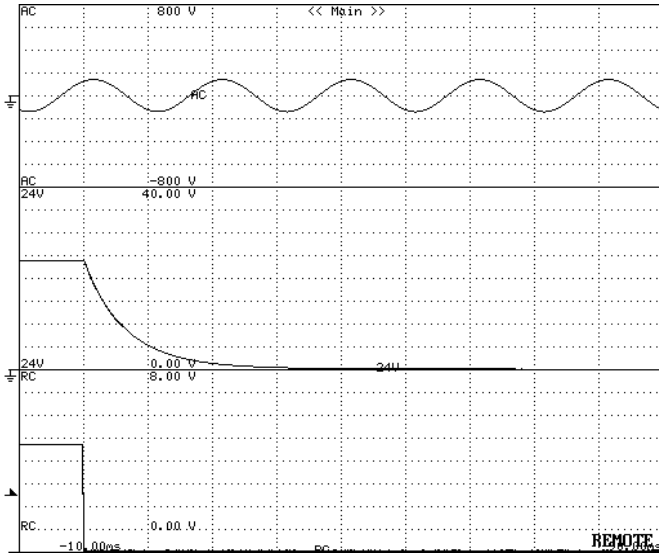


| Load Power [W] | Interruption Detecting Time [ms] |
|----------------|----------------------------------|
| | Output Voltage |
| | T _A |
| 30.0 | 58.9 |
| 60.0 | 30.2 |
| 90.0 | 20.4 |
| 120.0 | 18.1 |

| | | |
|-------|---|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Output Fall Characteristics (at Remote OFF) | |

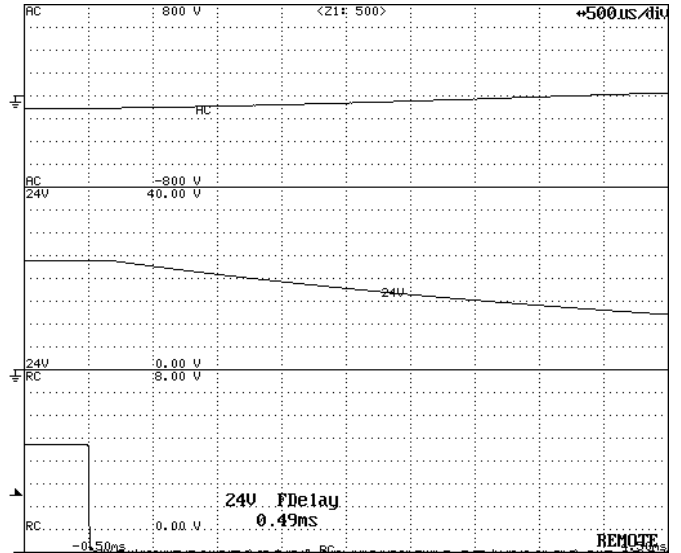
Input: 100V AC
Load: Rated Load

Timebase Range: 10ms/div



Output Fall Characteristics

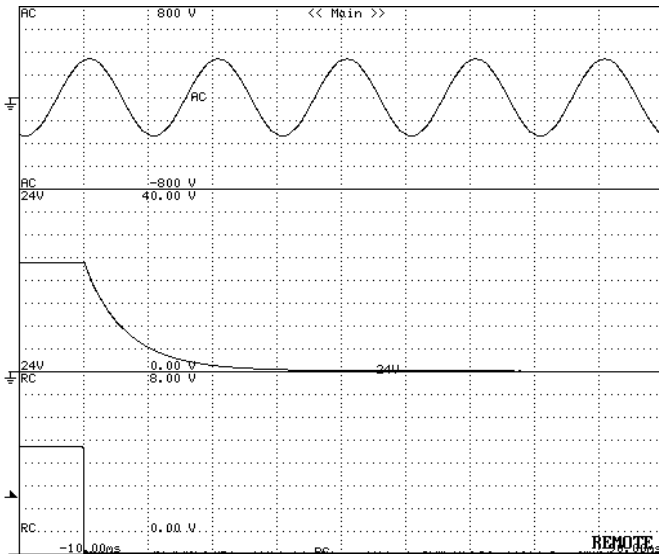
Timebase Range: 500 μs/div



Output Fall Characteristics (magnification)

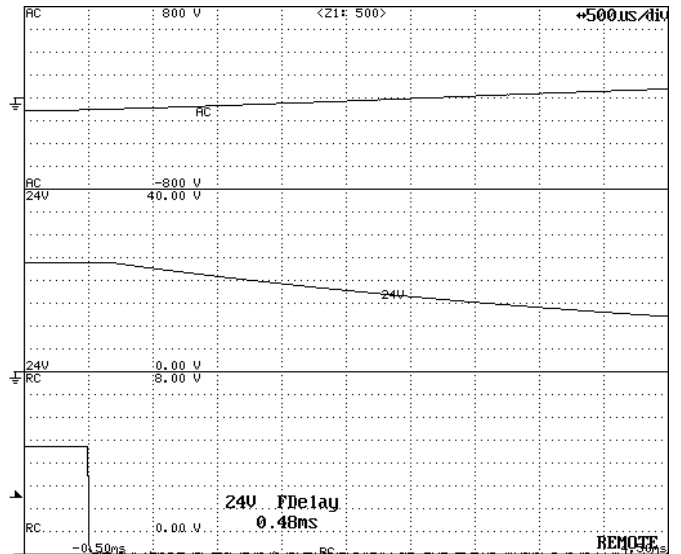
Input: 240V AC
Load: Rated Load

Timebase Range: 10ms/div



Output Fall Characteristics

Timebase Range: 500 μs/div

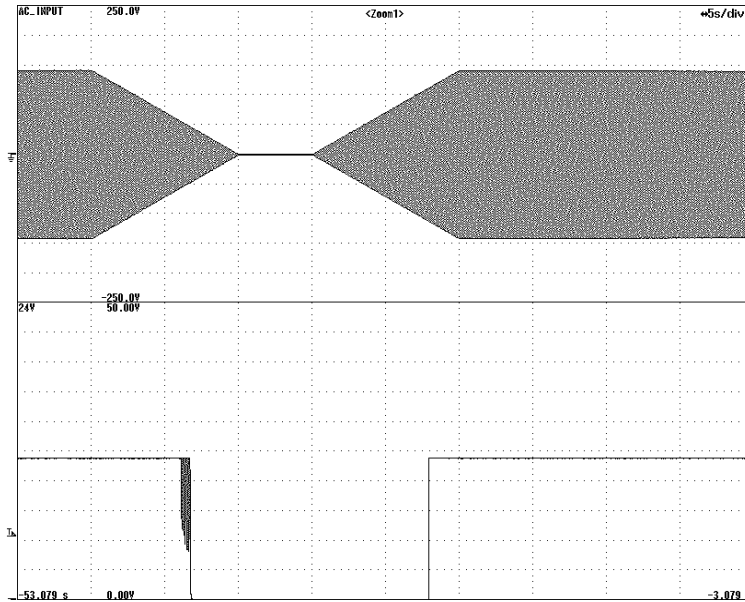


Output Fall Characteristics (magnification)

| | | |
|-------|-----------------------------|-------------------|
| Model | UZF-120-24-JB0 | Temperature: 25°C |
| Item | Input Voltage Sweep Up/Down | |

Timebase Range: 5s/div
Load: Rated Load

AC Input

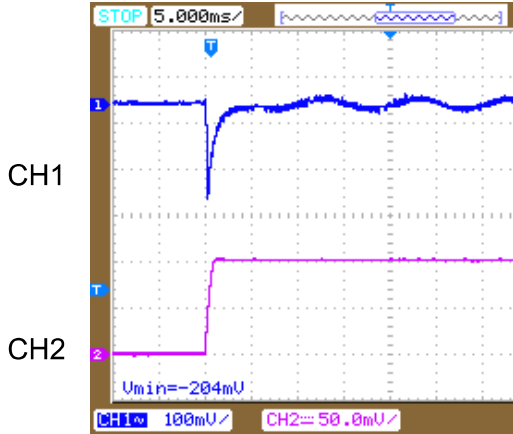


+24V

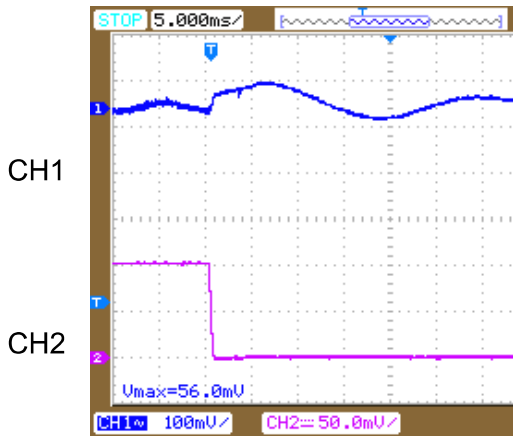
Sweep Rate: 10Vave/sec

| | | |
|-------|-----------------------|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Dynamic Load Response | |

+24V DC Output Transient Response Waveforms

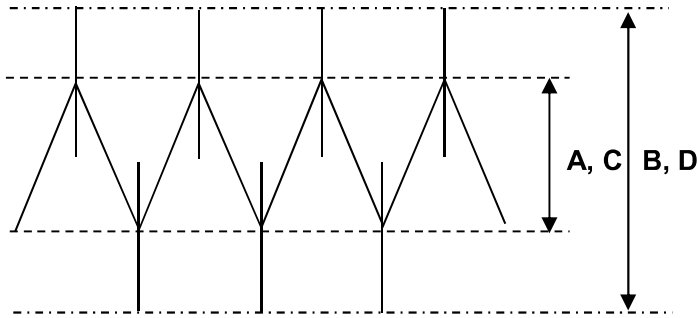


| Waveform 1 | |
|---|---------------------------------------|
| CH1 | Measuring Point: DC Output Voltage |
| | Vertical Sensitivity: 100mV/div |
| CH2 | Measuring Point: DC Output Current |
| | Vertical Sensitivity: 2.5A/div |
| Timebase Range | 5ms/div |
| Condition | Input: 100V AC |
| Note: Minimum load(0A) → Rated Load(5A) | |



| Waveform 2 | |
|---|---------------------------------------|
| CH1 | Measuring Point: DC Output Voltage |
| | Vertical Sensitivity: 100mV/div |
| CH2 | Measuring Point: DC Output Current |
| | Vertical Sensitivity: 2.5A/div |
| Timebase Range | 5ms/div |
| Condition | Input: 100V AC |
| Note: Rated Load(5A) → Minimum load(0A) | |

| | | |
|-------|------------------------|------------------|
| Model | UZP-120-24-JB0 | Load: Rated Load |
| Item | Ripple / Noise Voltage | |

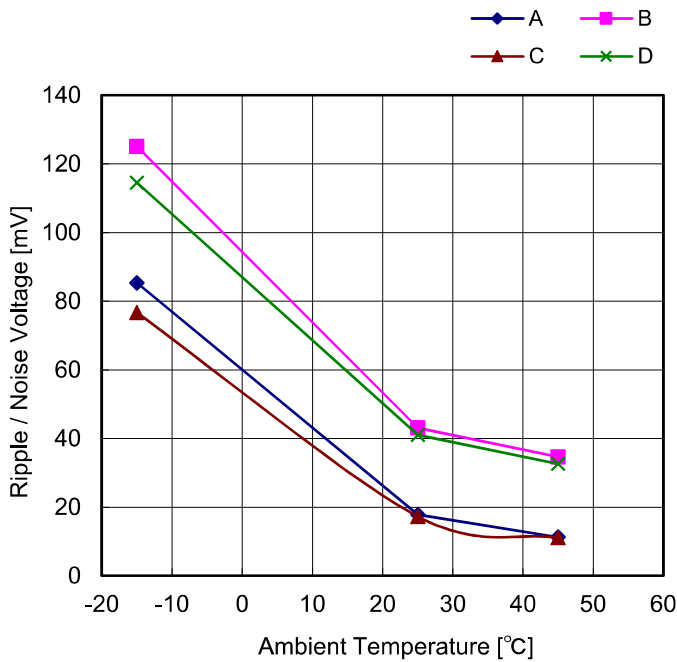


at 100V AC

A: Ripple Voltage (mV_{P-P})
 B: Noise Voltage (mV_{P-P})

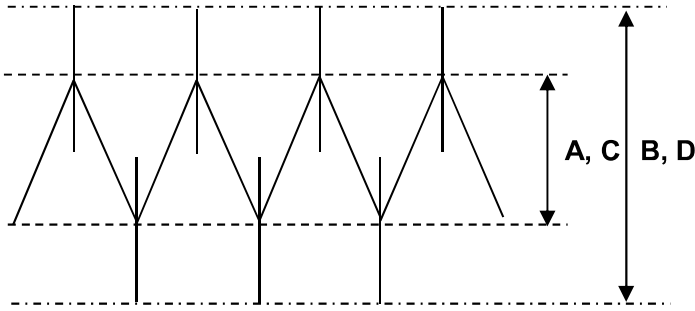
at 240V AC

C: Ripple Voltage (mV_{P-P})
 D: Noise Voltage (mV_{P-P})



| Ambient Temp. [°C] | Ripple / Noise Voltage [mV] | | | |
|--------------------|-----------------------------|-------|------|-------|
| | A | B | C | D |
| -15 | 85.3 | 125.0 | 76.6 | 114.5 |
| 25 | 17.8 | 43.0 | 17.3 | 41.0 |
| 45 | 11.2 | 34.6 | 11.0 | 32.6 |

| | | |
|-------|------------------------|--------------------|
| Model | UZP-120-24-JB0 | Temperature : 25°C |
| Item | Ripple / Noise Voltage | |

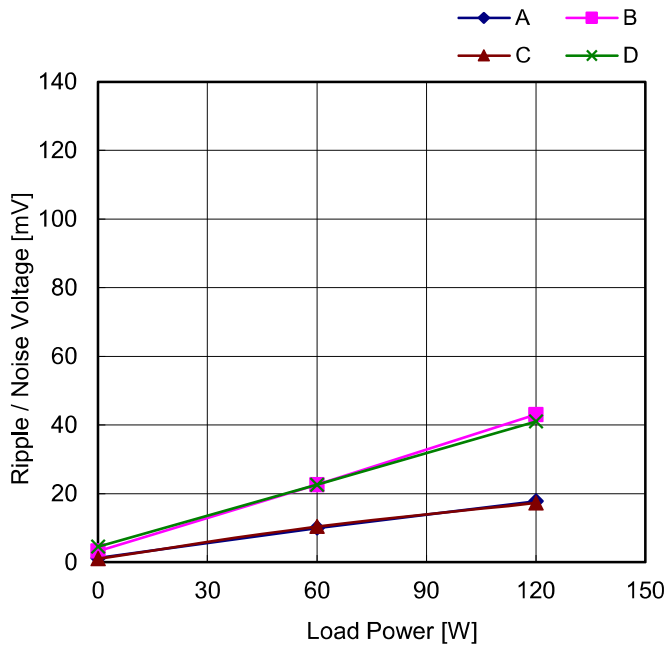


at 100V AC

A: Ripple Voltage (mVP-P)
B: Noise Voltage (mVP-P)

at 240V AC

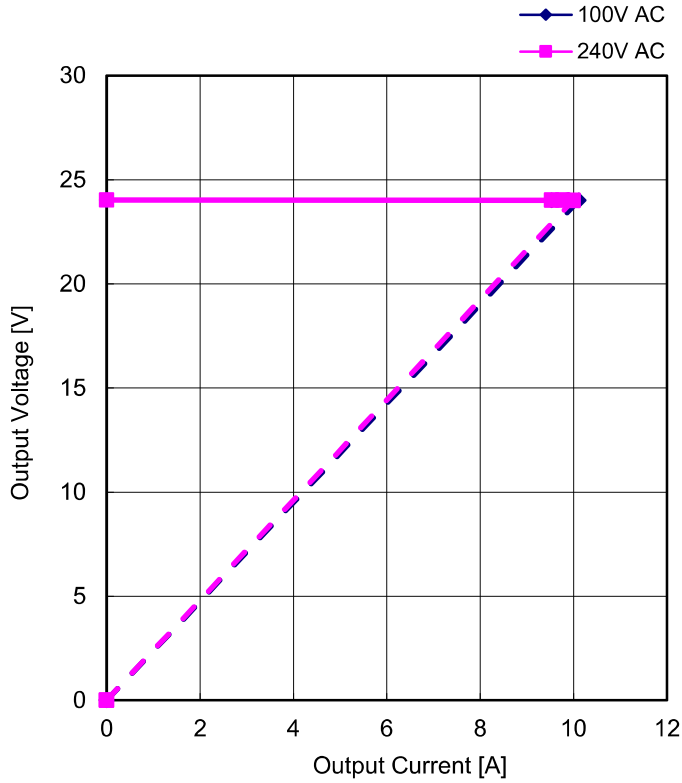
C: Ripple Voltage (mVP-P)
D: Noise Voltage (mVP-P)



| Load Power [W] | Ripple / Noise Voltage [mV] | | | |
|----------------|-----------------------------|------|------|------|
| | A | B | C | D |
| 0 | 1.2 | 3.2 | 1.0 | 4.5 |
| 60.0 | 10.0 | 22.6 | 10.4 | 22.6 |
| 120.0 | 17.8 | 43.0 | 17.3 | 41.0 |

| | | |
|-------|-------------------------|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Over-Current Protection | |

V-I Characteristics of 24V O.C.P



| Input Voltage: 100V AC | | Input Voltage: 240V AC | |
|------------------------|--------------------|------------------------|--------------------|
| Output Current [A] | Output Voltage [V] | Output Current [A] | Output Voltage [V] |
| 0.00 | 24.03 | 0.00 | 24.03 |
| 9.53 | 24.02 | 9.53 | 24.02 |
| 9.89 | 24.02 | 9.77 | 24.02 |
| 10.11 | 24.01 | 9.99 | 24.01 |

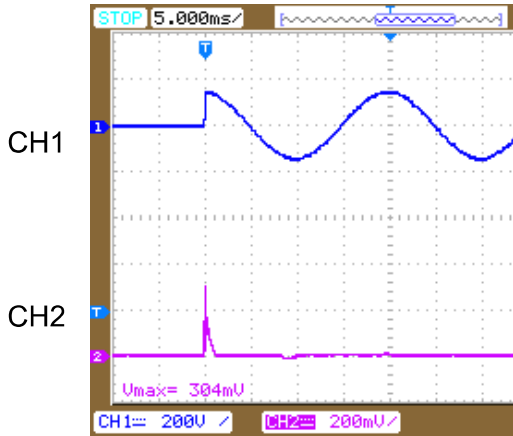
| | | |
|-------|-------------------------|--------------------|
| Model | UZP-120-24-JB0 | Load: Minimum Load |
| Item | Over-Voltage Protection | |

The graph plots Output Voltage [V] on the y-axis (ranging from 20.0 to 40.0) against Ambient Temperature [°C] on the x-axis (ranging from -20 to 80). Two data series are shown: 100V AC (blue line with diamond markers) and 240V AC (magenta line with square markers). The 240V AC series shows a slight upward trend, starting at approximately 31.43V at -15°C and reaching 33.13V at 65°C. The 100V AC series is not clearly distinguishable, likely overlapping the 240V AC series.

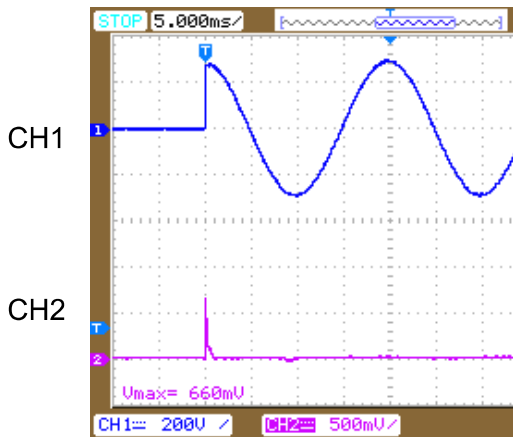
| Ambient Temp. [°C] | Output Voltage [V] | |
|--------------------|--------------------|---------|
| | 100V AC | 240V AC |
| -15 | 31.43 | 31.43 |
| 25 | 32.38 | 32.38 |
| 45 | 33.04 | 33.03 |
| 65 | 33.13 | 33.13 |

| | | |
|-------|----------------|-------------------|
| Model | UZP-120-24-JB0 | Temperature: 25°C |
| Item | Inrush Current | Load: Rated Load |

Inrush Current Waveforms



| Waveform 1 | |
|--------------------------------|--------------------------------------|
| CH1 | Measuring Point: AC Input Voltage |
| | Range: 200V/div |
| CH2 | Measuring Point: AC Input Current |
| | Range: 10A/div |
| Timebase Range | 5ms/div |
| Condition | Input: 100V AC Load: Rated Load |
| Note: Inrush Current: 15.2A | |



| Waveform 2 | |
|--------------------------------|--------------------------------------|
| CH1 | Measuring Point: AC Input Voltage |
| | Range: 200V/div |
| CH2 | Measuring Point: AC Input Current |
| | Range: 25A/div |
| Timebase Range | 5ms/div |
| Condition | Input: 200V AC Load: Rated Load |
| Note: Inrush Current: 33.0A | |

| Model | UZP-120-24-JB0 | Load: Rated Load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|----------------------|----------------------|----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|---|----------------------|----------------------|----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| Item | Leakage Current | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The graph plots Leakage Current [mA] on the y-axis (0 to 1) against AC Input Voltage [V] on the x-axis (50 to 300). The data points are as follows:</p> <table border="1"> <thead> <tr> <th>AC Input Voltage [V]</th> <th>Leakage Current [mA]</th> </tr> </thead> <tbody> <tr><td>85</td><td>0.02</td></tr> <tr><td>100</td><td>0.02</td></tr> <tr><td>132</td><td>0.03</td></tr> <tr><td>176</td><td>0.05</td></tr> <tr><td>200</td><td>0.05</td></tr> <tr><td>220</td><td>0.06</td></tr> <tr><td>240</td><td>0.07</td></tr> <tr><td>264</td><td>0.08</td></tr> </tbody> </table> | | AC Input Voltage [V] | Leakage Current [mA] | 85 | 0.02 | 100 | 0.02 | 132 | 0.03 | 176 | 0.05 | 200 | 0.05 | 220 | 0.06 | 240 | 0.07 | 264 | 0.08 | <table border="1"> <thead> <tr> <th>AC Input Voltage [V]</th> <th>Leakage Current [mA]</th> </tr> </thead> <tbody> <tr><td>85</td><td>0.02</td></tr> <tr><td>100</td><td>0.02</td></tr> <tr><td>132</td><td>0.03</td></tr> <tr><td>176</td><td>0.05</td></tr> <tr><td>200</td><td>0.05</td></tr> <tr><td>220</td><td>0.06</td></tr> <tr><td>240</td><td>0.07</td></tr> <tr><td>264</td><td>0.08</td></tr> </tbody> </table> | AC Input Voltage [V] | Leakage Current [mA] | 85 | 0.02 | 100 | 0.02 | 132 | 0.03 | 176 | 0.05 | 200 | 0.05 | 220 | 0.06 | 240 | 0.07 | 264 | 0.08 |
| AC Input Voltage [V] | Leakage Current [mA] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 0.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 0.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176 | 0.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 0.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 0.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 0.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AC Input Voltage [V] | Leakage Current [mA] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 0.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 0.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176 | 0.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 0.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 0.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 0.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |