

Z⁺800 Series

EVALUATION

DATA

DWG No.: IA702-53-01		
APPD	CHK	DWG
J 20/3/13	Yann 19/03/13	D.MIRON 18-Mar-2013

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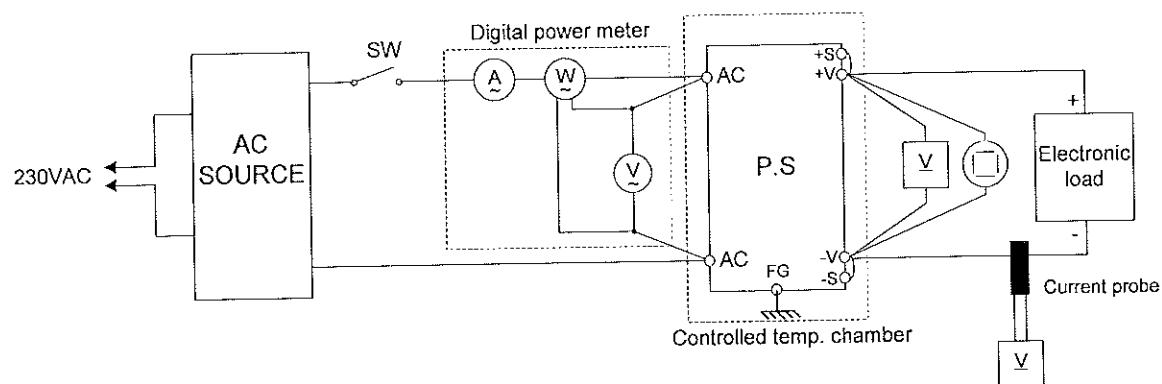
TERMINOLOGY USED**Definition**

V _{in}	Input voltage
V _{out}	Output voltage
I _{in}	Input current
I _{out}	Output current
T _a	Ambient temperature
f	Frequency
C.V	Constant voltage mode
C.C	Constant current mode

1. EVALUATION METHOD

1.1 Circuit used for determination

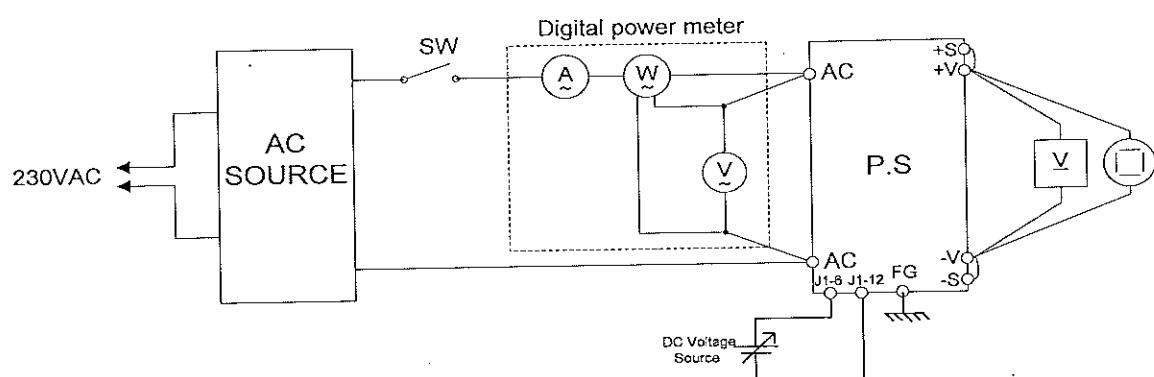
(1) Steady state data



(2) Warm up voltage drift characteristic same as Steady state data

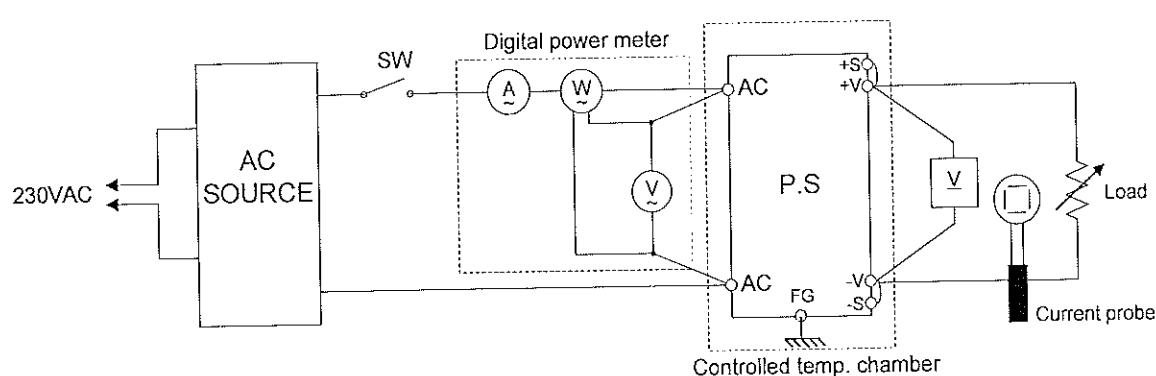
(3) Warm up current drift characteristic same as Steady state data

(4) Over voltage protection (OVP) characteristics



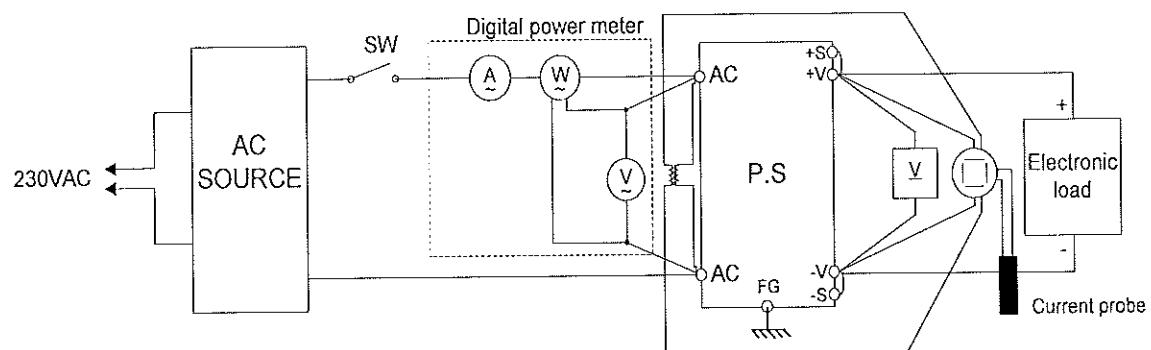
(5) Output voltage rise/fall characteristics same as Steady state data

(6) Output current rise/fall characteristics

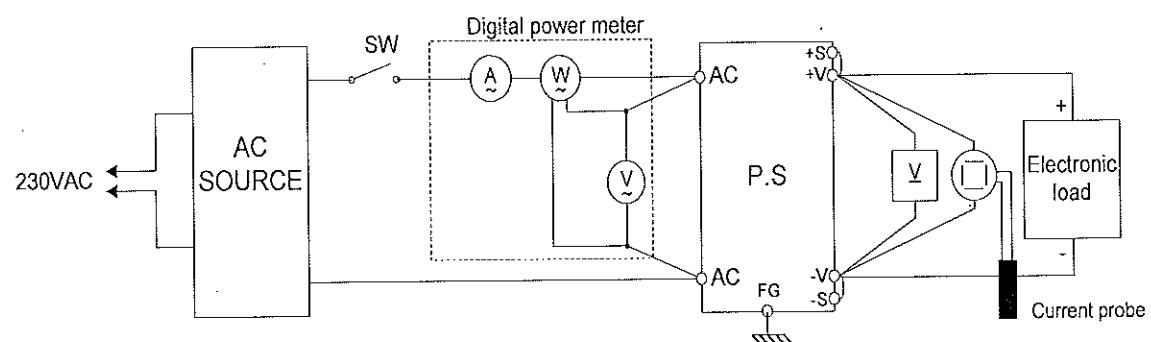


1.1 Circuit used for determination

(7) Dynamic line voltage and current response characteristics

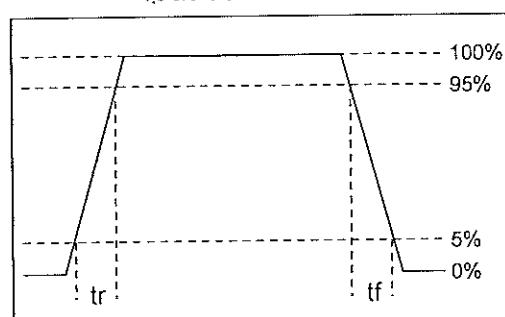


(8) Dynamic load voltage and current response characteristics

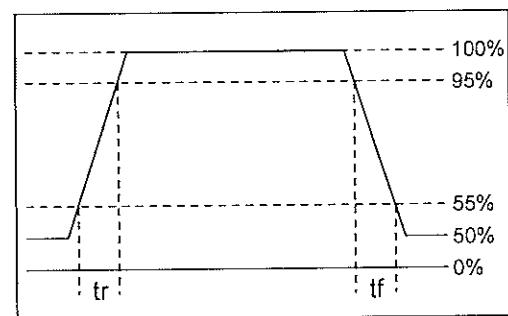


Constant Voltage mode

Output current waveform
Iout 0% \leftrightarrow 100%

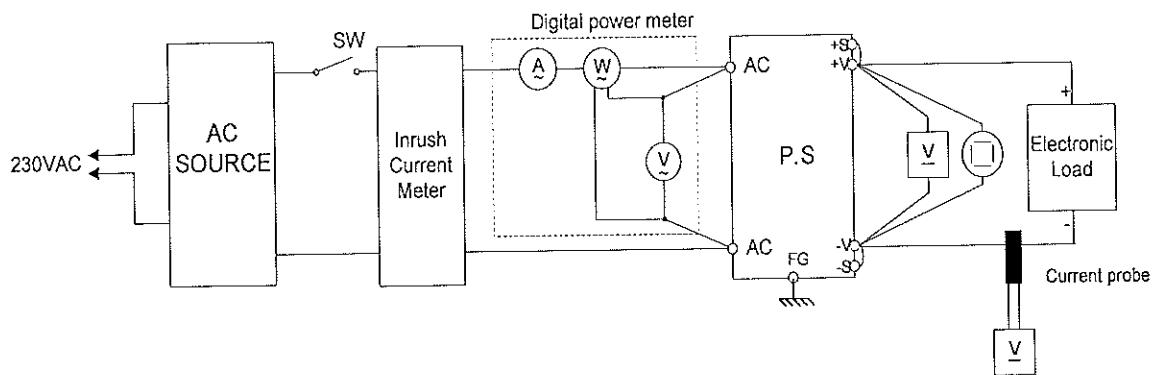


Output current waveform
Iout 50% \leftrightarrow 100%



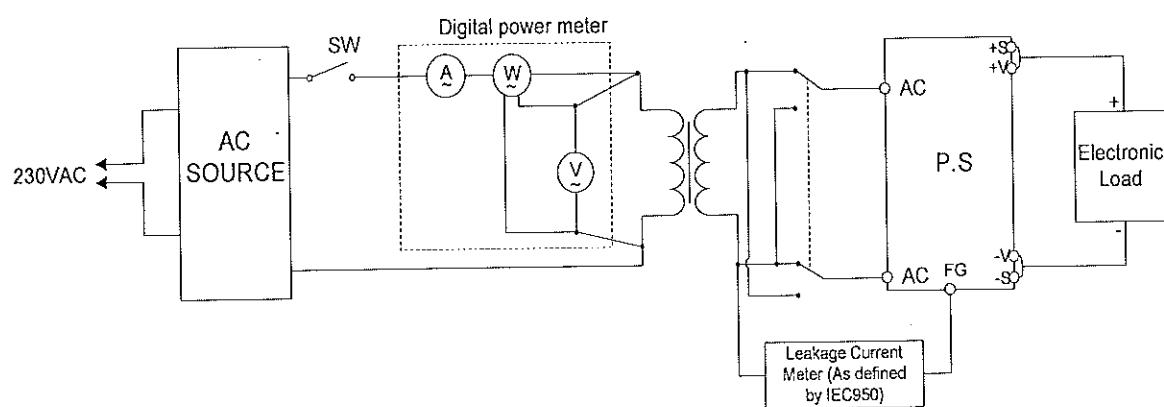
1.1 Circuit used for determination

(9) Response to brown-out characteristic



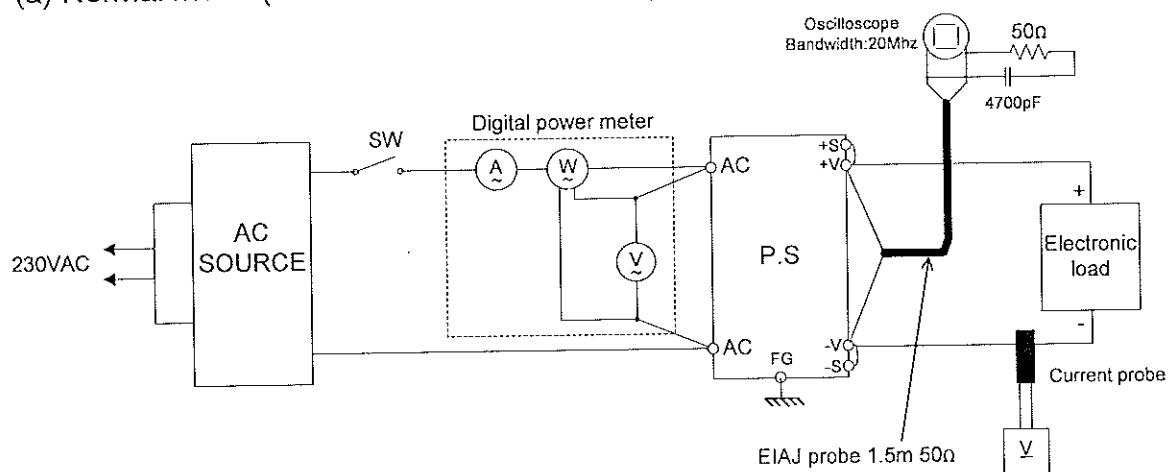
(10) Inrush current characteristics same as Response to brown-out

(11) Leakage current characteristics



(12) Output Voltage ripple & noise waveform 10V up to 100V.models

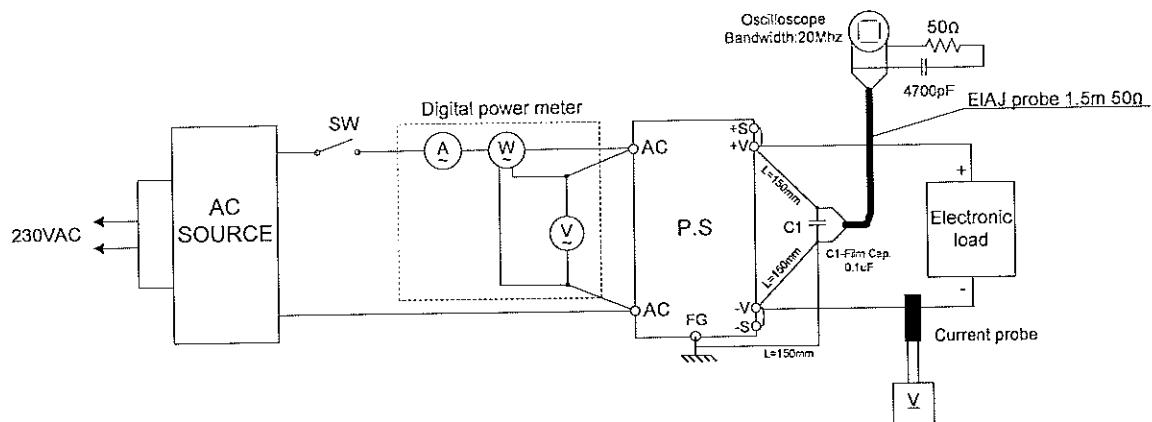
(a) Normal mode (JEITA Standard RC-9131A)



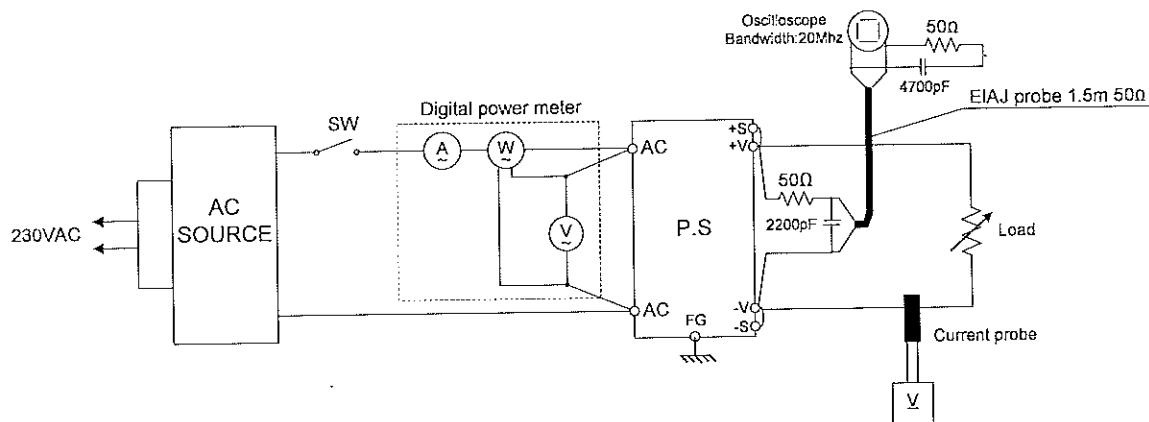
1.1 Circuit used for determination

(12) Output Voltage ripple & noise waveform 10V up to 100V models

(b) Normal + Common mode



(13) Output Current rms ripple 10V to 100V models



Notes:

(*) Output Current rms ripple = Output Voltage rms ripple divided by the Load resistance.

1.2 List of equipment used

	EQUIPMENT USED	MANUFACTURER	MODEL No.
1	Digital oscilloscope	YOKOGAWA	DL7100
2	Digital oscilloscope	YOKOGAWA	DL1740EL
3	Digital multimeter	AGILENT	34401A
4	Digital power meter	YOKOGAWA	WT230
5	AC Source	CHROMA	6590
6	AC Source	CHROMA	6530
7	Electronic load	H&H	ZS6060 SC150
8	Electronic load	H&H	ZS7006
9	Electronic load	H&H	ZS7060
10	Electronic load	CHROMA	63203
11	Electronic load	CHROMA	63204
12	Electronic load	CHROMA	63206
13	Controlled temp. chamber	THERMOTRON	SM-16-3800
14	Controlled temp. chamber	THERMOTRON	SE-600-5-5
15	Controlled temp. chamber	THERMOTRON	SE-600-6-6
16	Leakage Current Tester	KIKUSUI	TOS3200
17	Voltage probe	YOKOGAWA	700988
18	Current probe	YOKOGAWA	701933
19	Current probe	LEM Danfysik	IT 60-S Ultrastab
20	Inrush Current Meter	TAKAMISAWA	PSA-210
21	Data Acquisition/Switch Unit	AGILENT	34970A

2. CHARACTERISTICS

2.1 Steady state data

(1) Regulation - line and load, temperature drift

Z10-72

Condition: Ta = 25°C

1. Regulation - Line & Load, C.V mode (Readings in [V])

Io	Vin (AC)				Line Regulation	
	85	100	200	265	ΔV (mV)	(%)
0%	9.9990	9.9990	9.9990	9.9990	0.0	0.000
25%	9.9987	9.9987	9.9987	9.9987	0.0	0.000
50%	9.9984	9.9984	9.9984	9.9984	0.0	0.000
75%	9.9980	9.9980	9.9980	9.9981	0.0	0.000
100%	9.9977	9.9977	9.9977	9.9977	0.0	0.000
Load Regulation	1.3	1.3	1.3	1.3		
	0.013	0.013	0.013	0.013	(%)	

2. Temperature drift, C.V mode

Conditions: Vin:100Vac
Iout:100%

Ta	0°C	25°C	50°C	Temp. Coefficient (0°~50°C)
Vout	9.996	9.994	9.993	3 mV 6 PPM/°C

2.1 Steady state data

(1) Regulation - line and load, temperature drift

Z36-24

Condition: Ta = 25°C

1. Regulation - Line & Load, C.V mode (Readings in [V])

Io	Vin (AC)				Line Regulation	
	85	100	200	265	0.4	0.001
0%	35.9985	35.9989	35.9987	35.9985	0.4	0.001
25%	35.9983	35.9985	35.9986	35.9984	0.3	0.001
50%	35.9981	35.9984	35.9985	35.9982	0.4	0.001
75%	35.9980	35.9981	35.9984	35.9981	0.4	0.001
100%	35.9979	35.9981	35.9981	35.9981	0.2	0.001
Load Regulation	0.6	0.8	0.6	0.4	ΔV (mV)	(%)
	0.002	0.002	0.002	0.001	(%)	

2. Temperature drift, C.V mode

Conditions: Vin:100Vac
Iout:100%

Ta	0°C	25°C	50°C	Temp. Coefficient (0°~50°C)
Vout	36.001	35.992	35.986	15 mV 8 PPM/°C

2.1 Steady state data

(1) Regulation - line and load, temperature drift

Z100-8

Condition: Ta = 25°C

1. Regulation - Line & Load, C.V mode (Readings in [V])

Io	Vin (AC)				Line Regulation	
	85	100	200	265	ΔV (mV)	(%)
0%	99.9924	99.9923	99.9925	99.9925	0.3	0.000
25%	99.9921	99.9919	99.9922	99.9920	0.2	0.000
50%	99.9918	99.9917	99.9917	99.9918	0.1	0.000
75%	99.9913	99.9913	99.9913	99.9913	0.1	0.000
100%	99.9910	99.9912	99.9912	99.9913	0.2	0.000
Load Regulation	1.3	1.1	1.3	1.3		
	0.001	0.001	0.001	0.001	(%)	

2. Temperature drift, C.V mode

Conditions: Vin:100Vac
Iout:100%

Ta	0°C	25°C	50°C	Temp. Coefficient (0°~50°C)
Vout	99.999	99.978	99.969	30 mV

2.1 Steady state data

(1) Regulation - line and load, temperature drift

Z10-72

Condition: Ta = 25°C

1. Regulation - Line & Load, C.C mode (*) (Readings in [A])

Vo	Vin (AC)				Line Regulation	
	85	100	200	265	ΔI (mA)	(%)
0%	71.9741	71.9741	71.9741	71.9747	0.6	0.001
25%	71.9733	71.9733	71.9733	71.9726	0.7	0.001
50%	71.9719	71.9719	71.9719	71.9716	0.3	0.000
75%	71.9712	71.9712	71.9712	71.9712	0.0	0.000
100%	71.9712	71.9712	71.9712	71.9712	0.0	0.000
Load Regulation	2.9	2.9	2.9	3.5		
	0.004	0.004	0.004	0.005	(%)	

Notes:

(*) Not including load regulation thermal drift effect.

2. Temperature drift, C.C mode

Conditions: Vin:100Vac
Vout:100%

Ta	0°C	25°C	50°C	Temp. Coefficient (0°~50°C)
Iout	71.9869	71.9673	71.9463	41 mA 11 PPM/°C

2.1 Steady state data

(1) Regulation - line and load, temperature drift

Z36-24

Condition: Ta = 25°C

1. Regulation - Line & Load, C.C mode (*) (Readings in [A])

Vo	Vin (AC)				Line Regulation	
	85	100	200	265	ΔI (mA)	(%)
0%	23.9780	23.9783	23.9782	23.9783	0.3	0.001
25%	23.9765	23.9767	23.9770	23.9772	0.7	0.003
50%	23.9779	23.9778	23.9778	23.9772	0.7	0.003
75%	23.9768	23.9764	23.9764	23.9764	0.4	0.002
100%	23.9776	23.9772	23.9768	23.9768	0.9	0.004
Load Regulation	1.5	1.9	1.8	1.9		
	0.006	0.008	0.007	0.008		

Notes:

(*) Not including load regulation thermal drift effect.

2. Temperature drift, C.C mode

Conditions: Vin:100Vac
Vout:100%

Ta	0°C	25°C	50°C	Temp. Coefficient (0°~50°C)
Iout	23.9956	23.9866	23.9795	16 mA 13 PPM/°C

2.1 Steady state data

(1) Regulation - line and load, temperature drift

Z100-8

Condition: Ta = 25°C

1. Regulation - Line & Load, C.C mode (*) (Readings in [A])

Vo	Vin (AC)				Line Regulation	
	85	100	200	265	ΔI (mA)	(%)
0%	8.0116	8.0116	8.0116	8.0115	0.1	0.001
25%	8.0111	8.0110	8.0110	8.0110	0.1	0.002
50%	8.0107	8.0106	8.0105	8.0105	0.2	0.002
75%	8.0102	8.0101	8.0100	8.0099	0.2	0.003
100%	8.0096	8.0095	8.0095	8.0094	0.2	0.003
Load Regulation	2.0	2.0	2.1	2.1		
	0.025	0.026	0.026	0.027		

Notes:

(*) Not including load regulation thermal drift effect.

2. Temperature drift, C.C mode

Conditions: Vin:100Vac
Vout:100%

Ta	0°C	25°C	50°C	Temp. Coefficient (0°~50°C)
Iout	7.9992	7.9969	7.9980	1.2 mA 3 PPM/°C

2.1 Steady state data

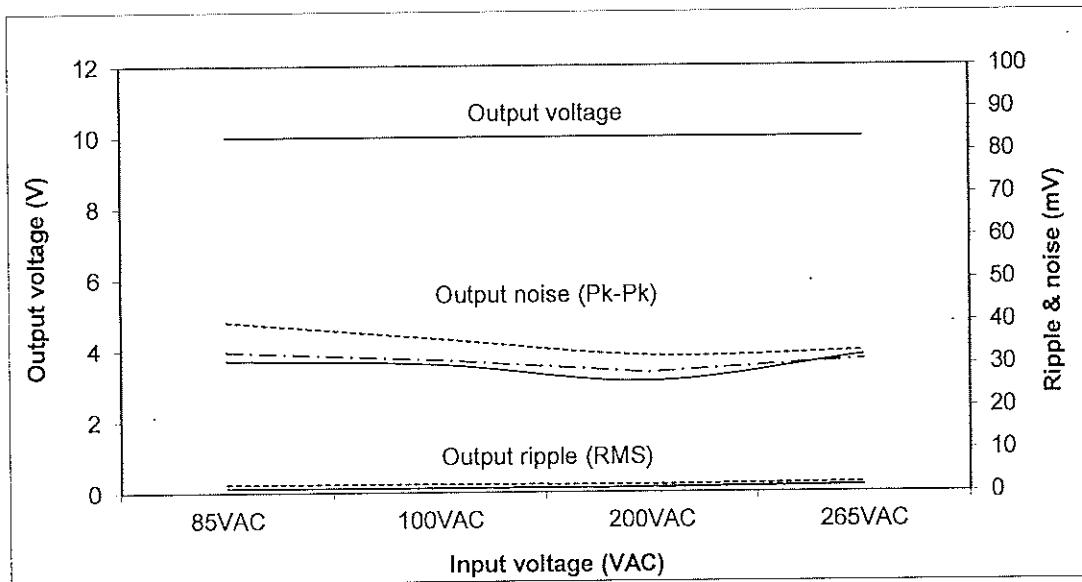
(2) Output voltage and Ripple noise voltage vs. Input voltage

C.V mode

Conditions: Iout:100%

Z10-72

Ta: 0°C -----
25°C -----
50°C —————



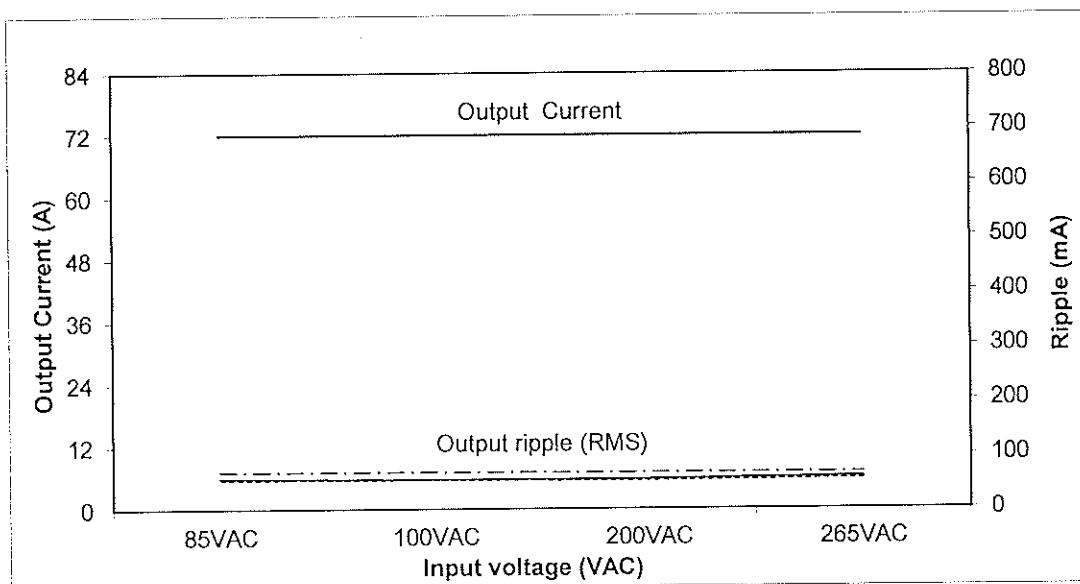
(3) Output current and Ripple noise current vs. Input voltage

C.C mode

Conditions: Vout:100%

Z10-72

Ta: 0°C -----
25°C -----
50°C —————



2.1 Steady state data

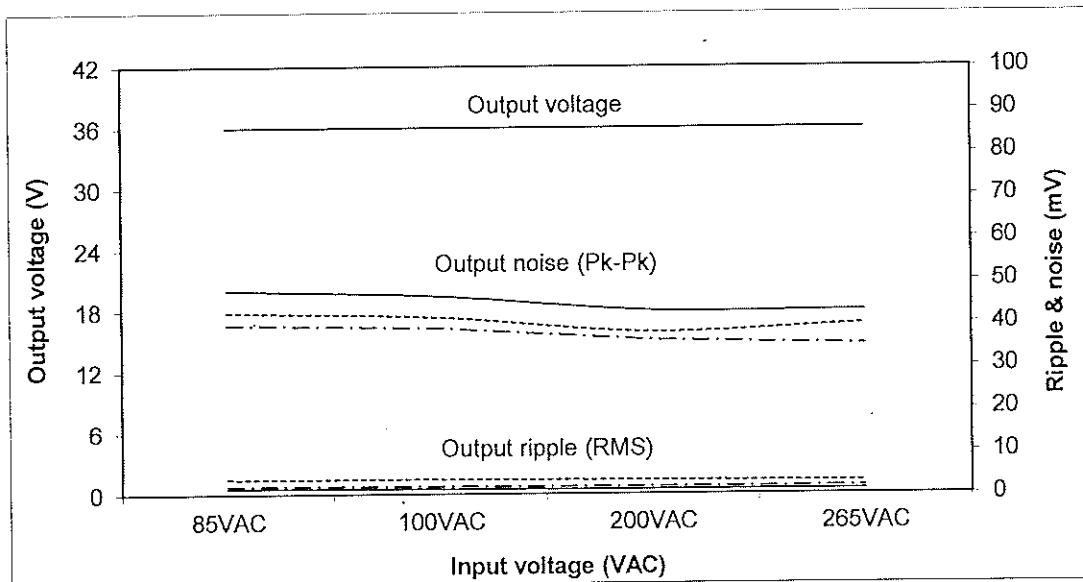
(2) Output voltage and Ripple noise voltage vs. Input voltage

C.V mode

Conditions: Iout:100%

Z36-24

Ta: 0°C -----
25°C -----
50°C —————



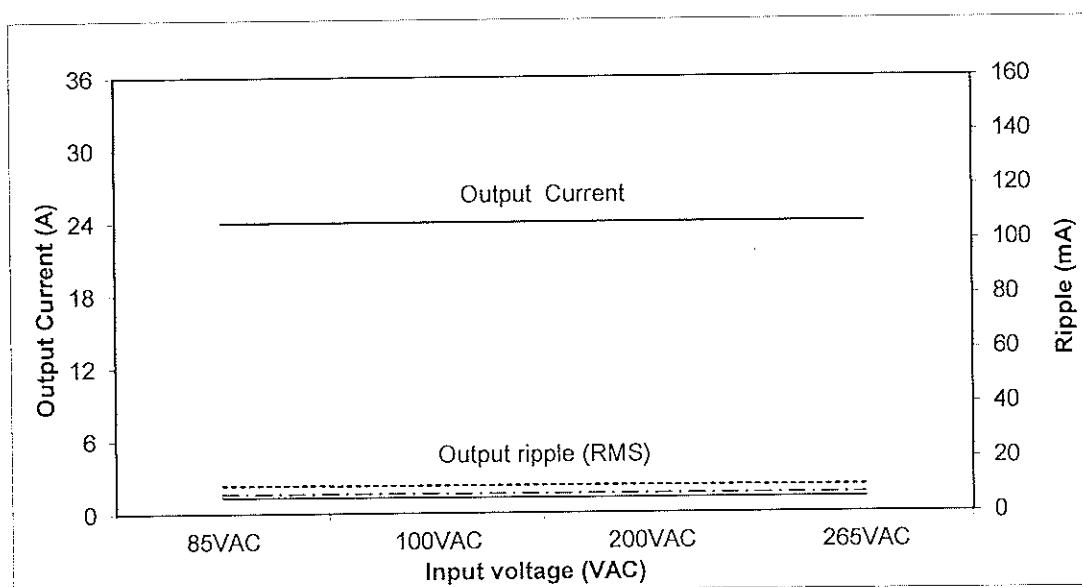
(3) Output current and Ripple noise current vs. Input voltage

C.C mode

Conditions: Vout:100%

Z36-24

Ta: 0°C -----
25°C -----
50°C —————

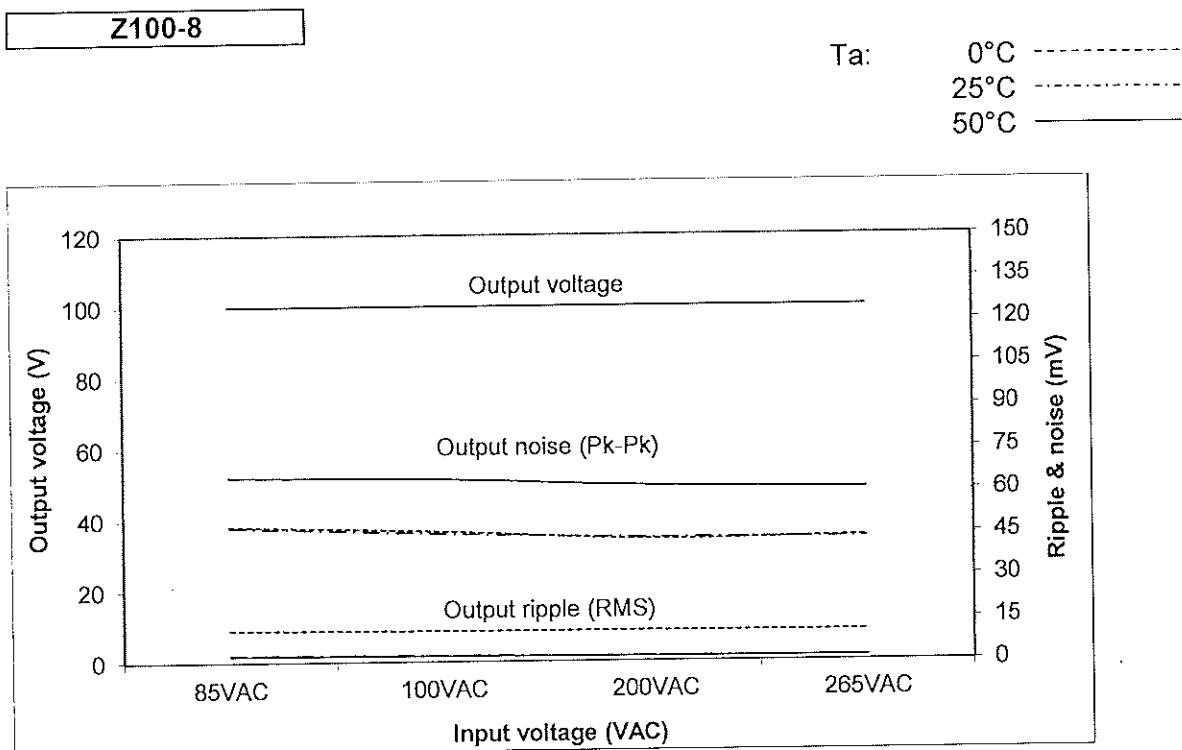


2.1 Steady state data

(2) Output voltage and Ripple noise voltage vs. Input voltage

C.V mode

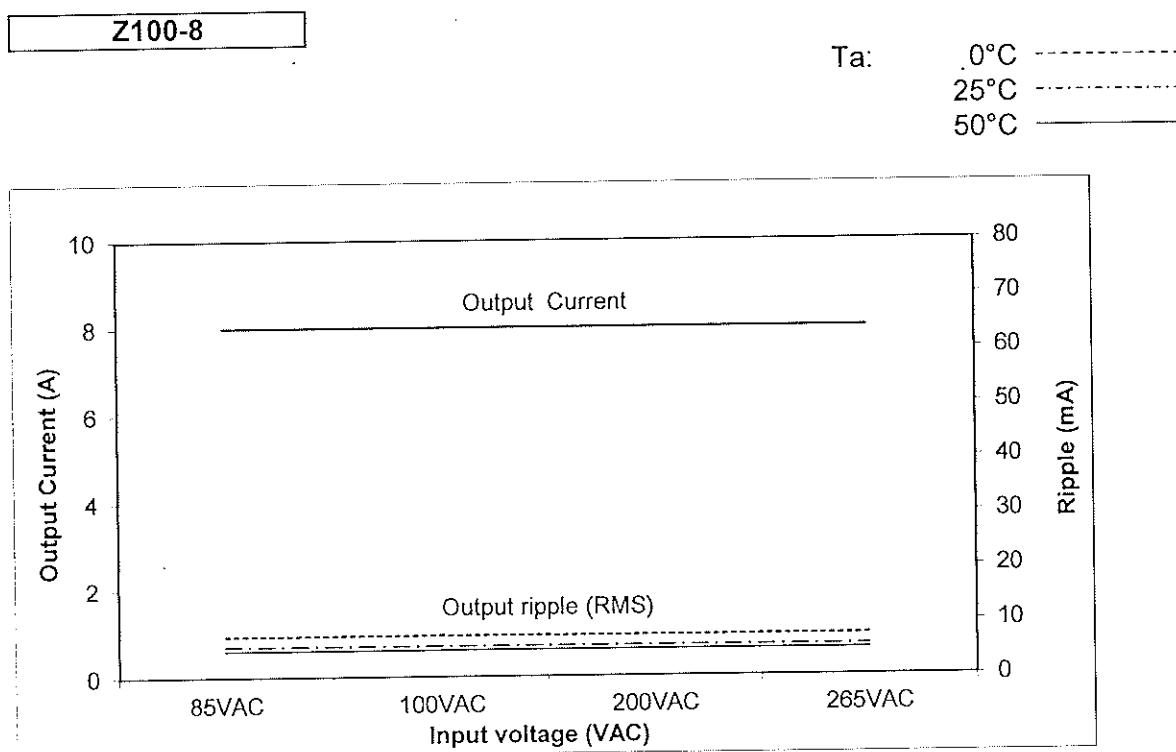
Conditions: Iout:100%



(3) Output current and Ripple noise current vs. Input voltage

C.C mode

Conditions: Vout:100%

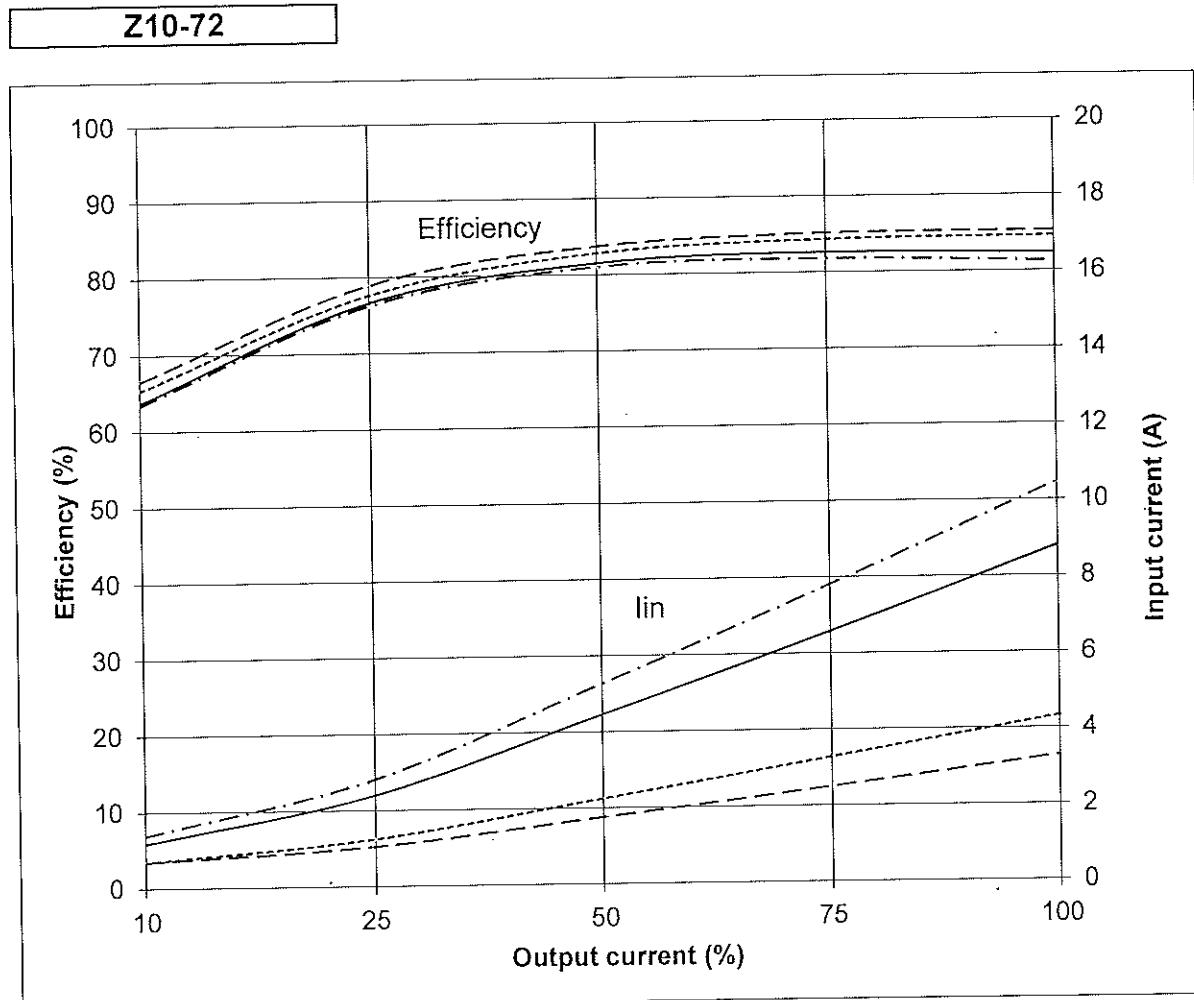


2.1 Steady state data

(4) Efficiency and Input current vs. Output current

Conditions:

Vin: 85Vac
100Vac
200Vac
265Vac
Vout:100%
Ta: 25°C



2.1 Steady state data

(4) Efficiency and Input current vs. Output current

Conditions:

Vin: 85Vac

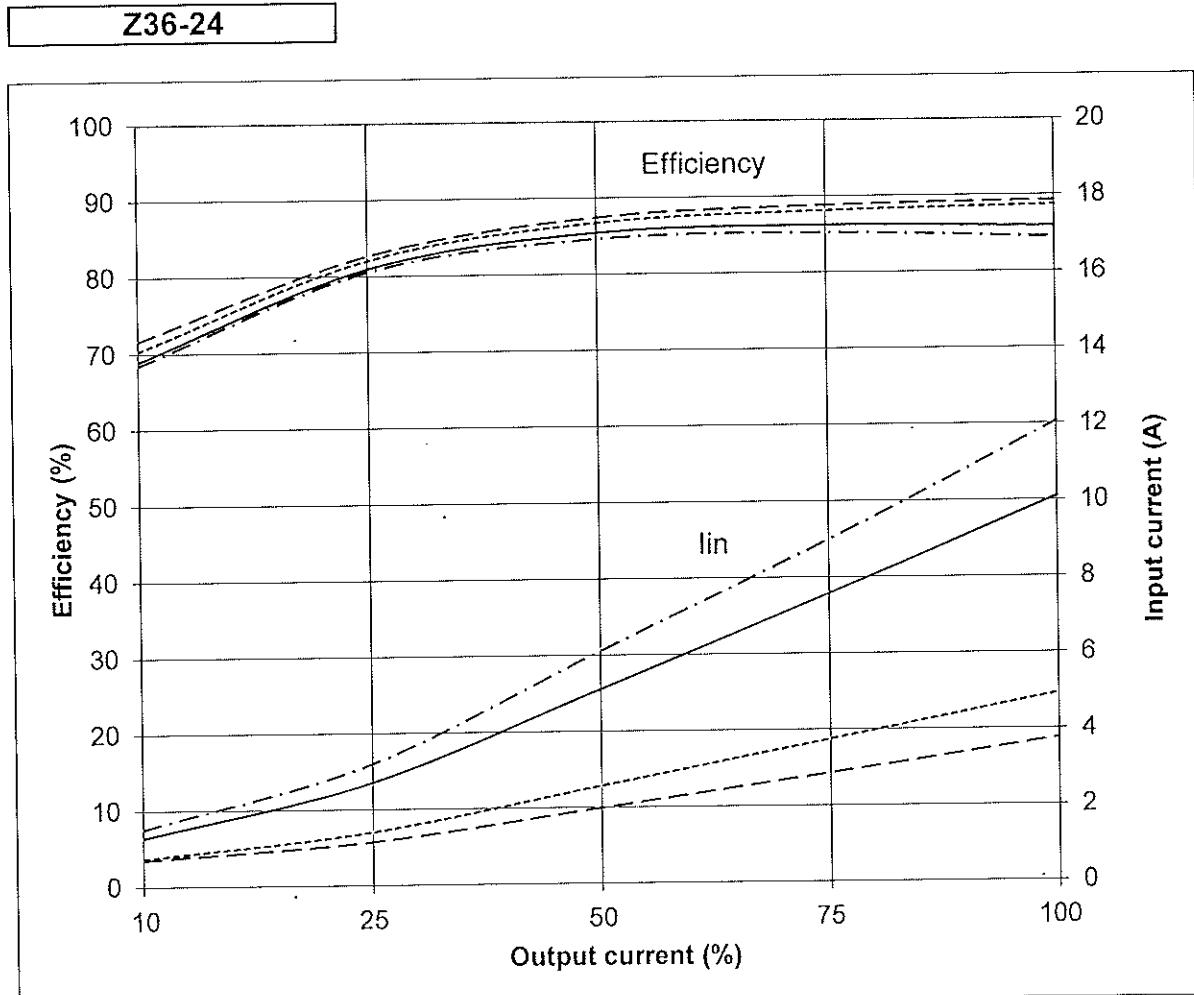
100Vac

200Vac

265Vac

Vout:100%

Ta: 25°C

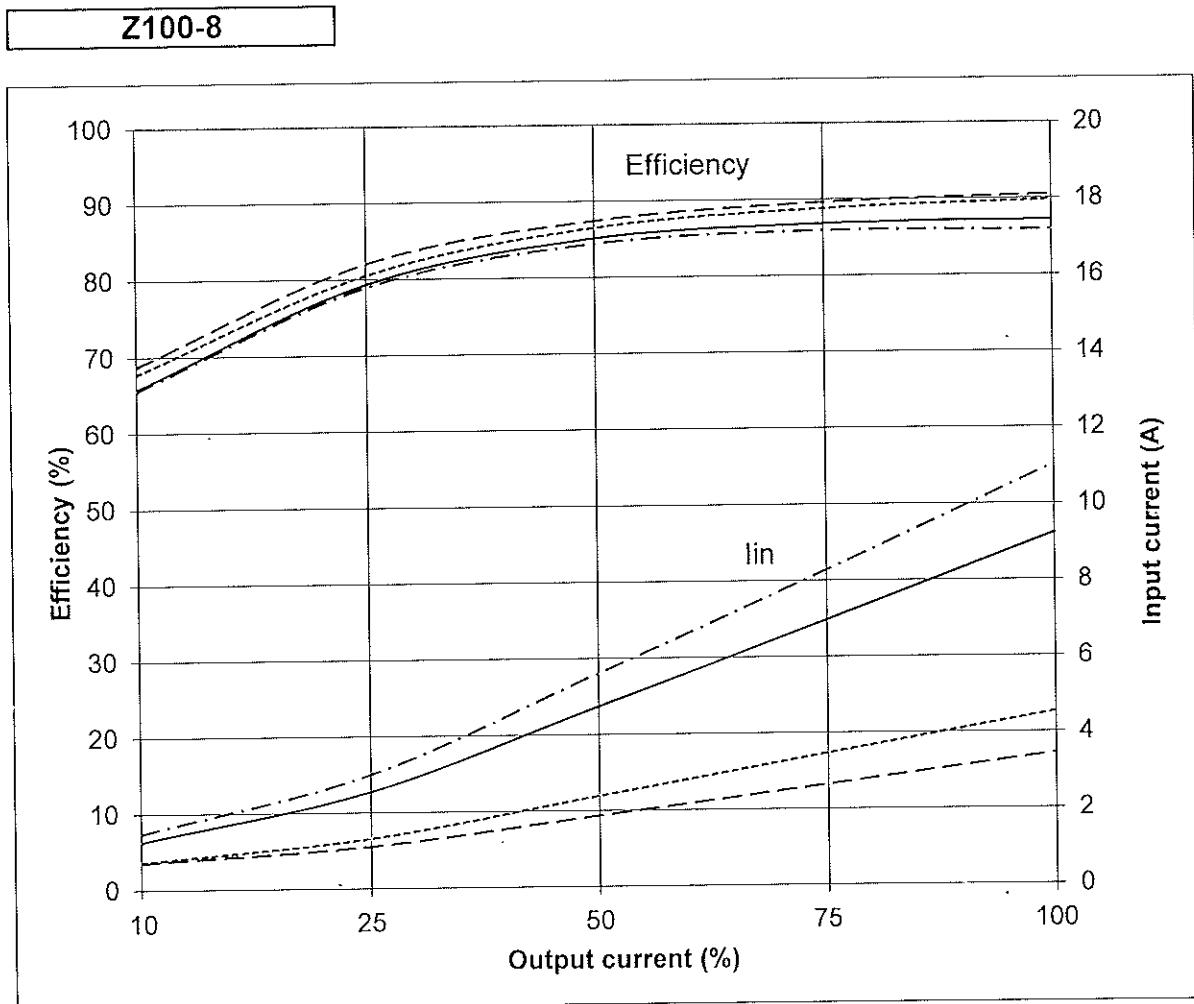


2.1 Steady state data

(4) Efficiency and Input current vs. Output current

Conditions:

Vin: 85Vac
100Vac
200Vac
265Vac
Vout:100%
Ta: 25°C

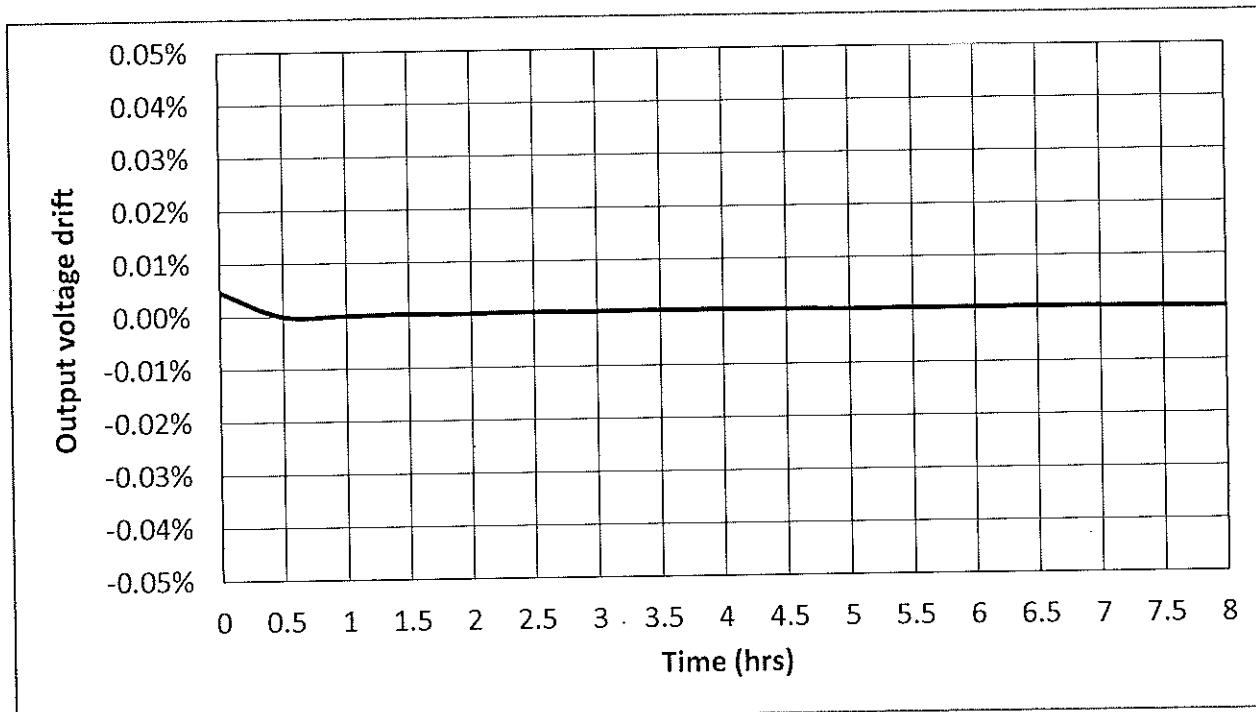


2.2 Warm up drift and stability

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

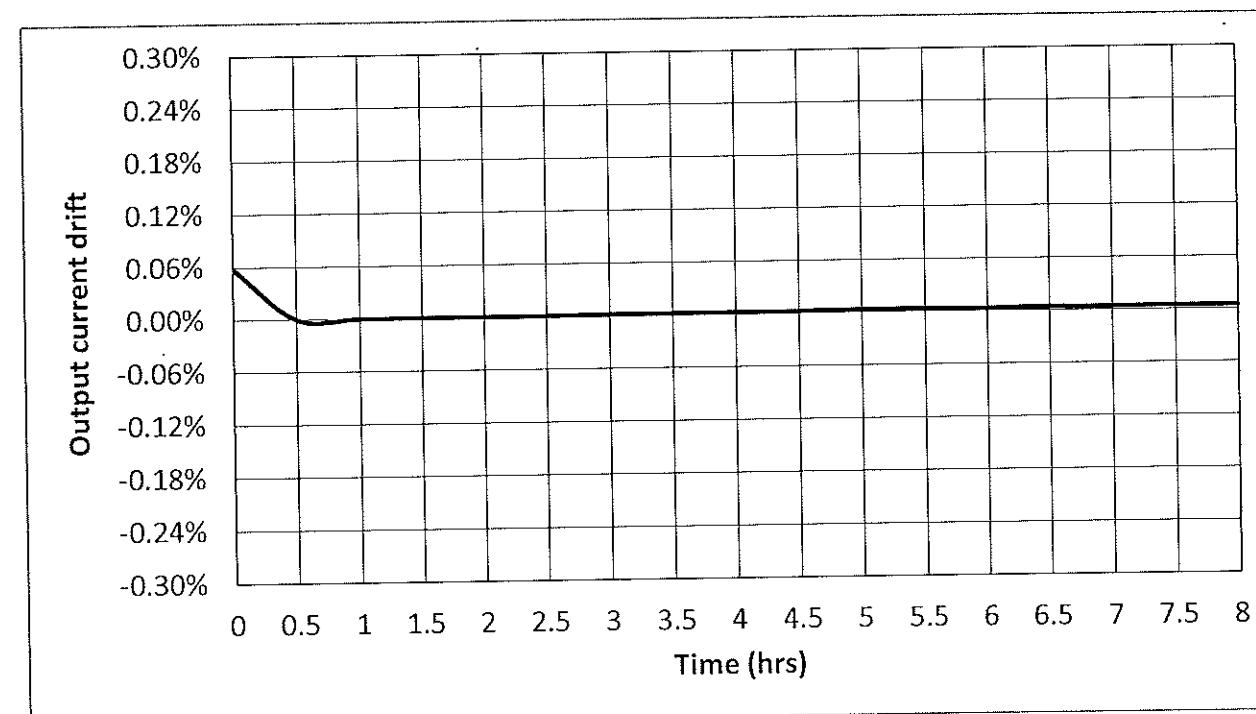
C.V mode

Z10-72



C.C mode

Z10-72

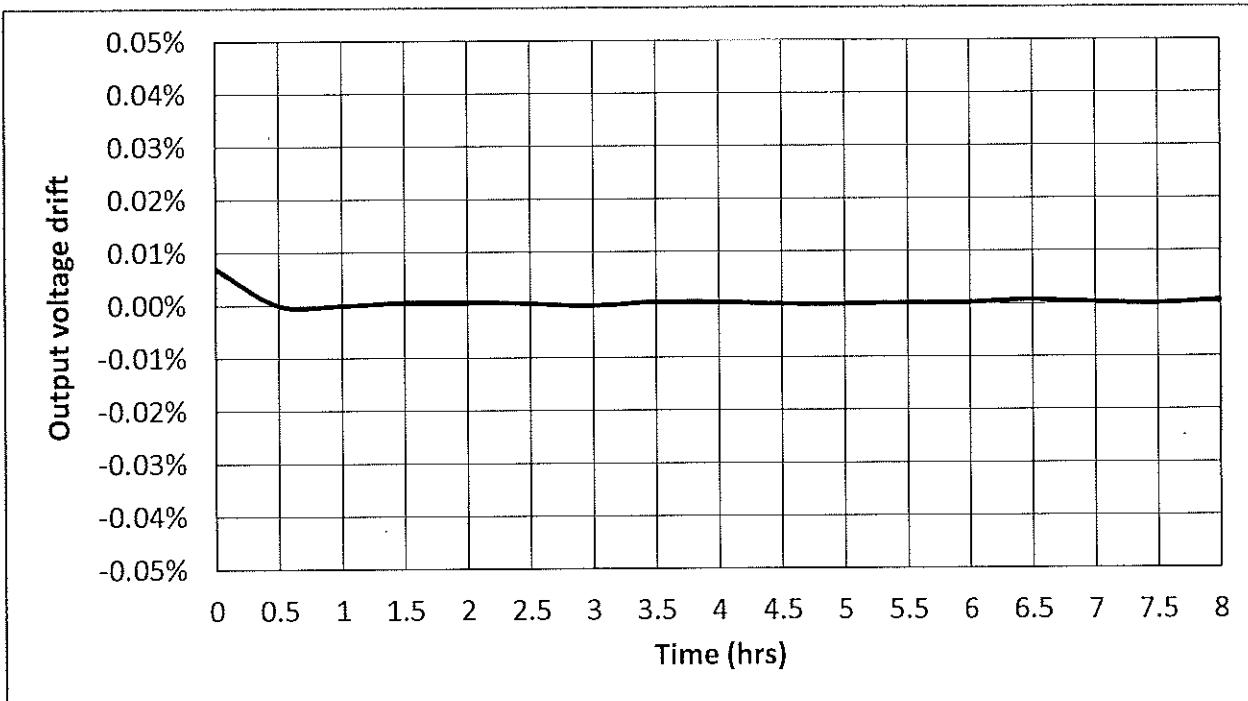


2.2 Warm up drift and stability

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

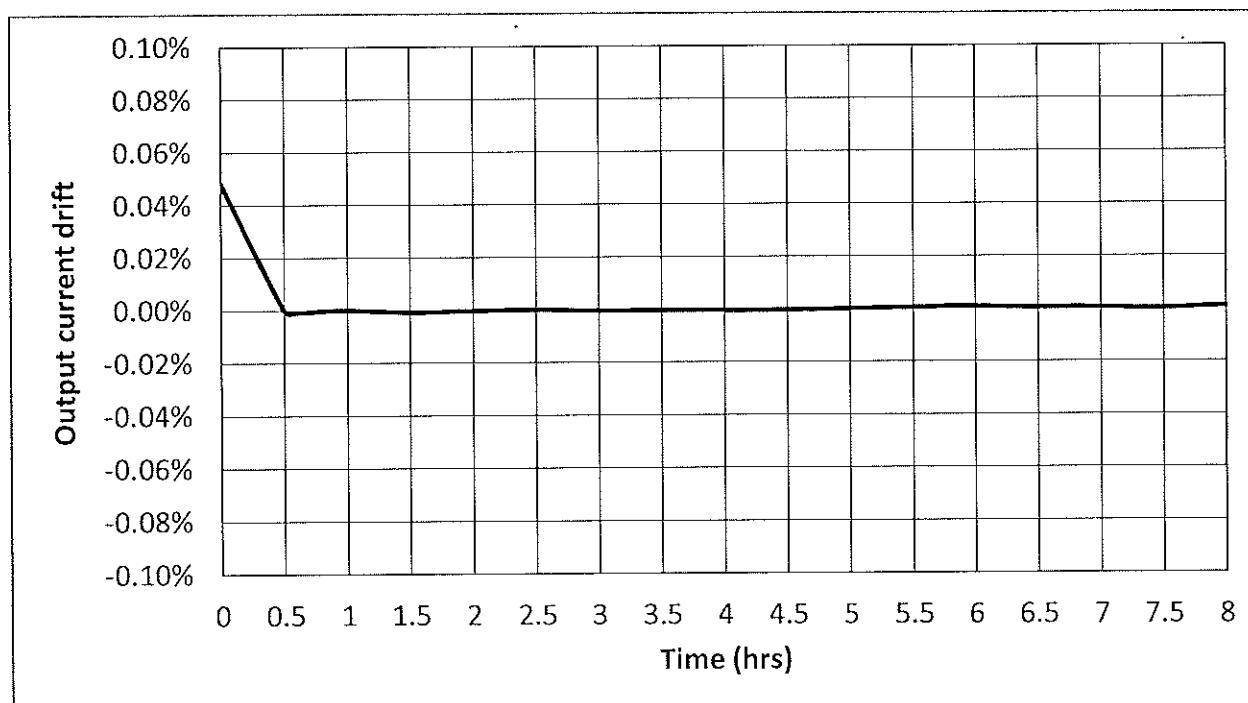
C.V mode

Z36-24



C.C mode

Z36-24

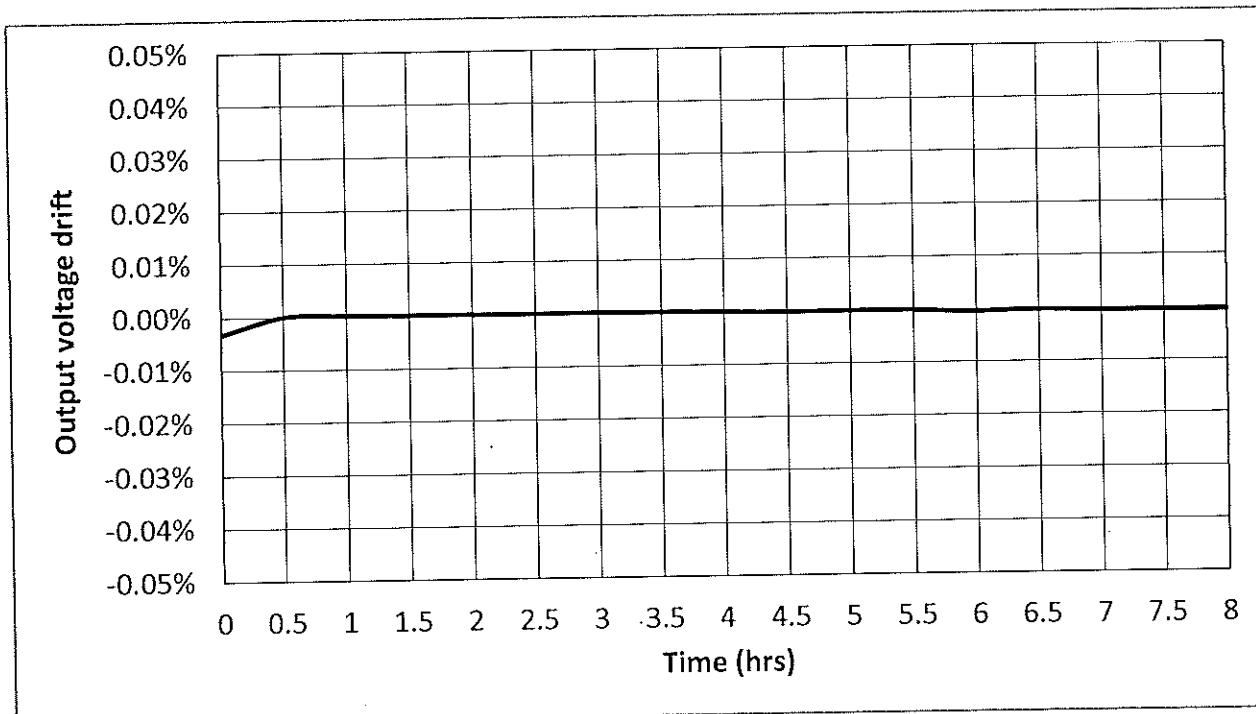


2.2 Warm up drift and stability

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

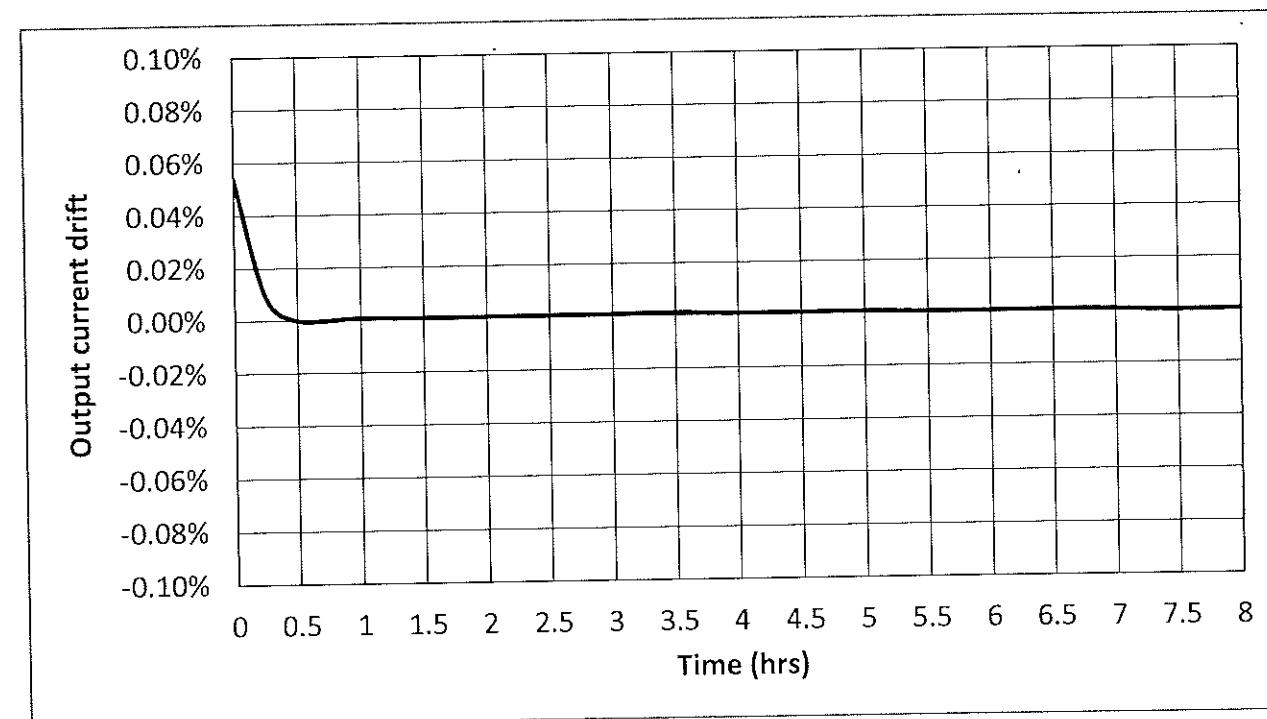
C.V mode

Z100-8



C.C mode

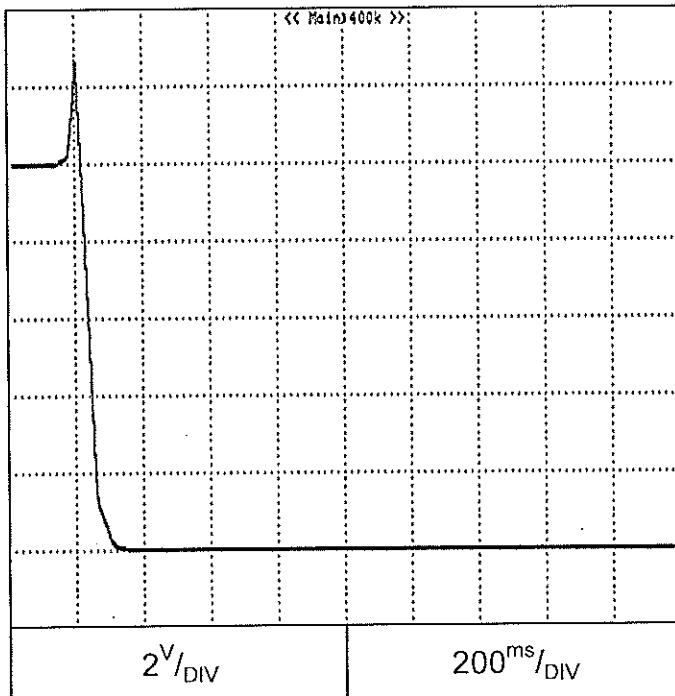
Z100-8



2.3 Over voltage protection (OVP) characteristics

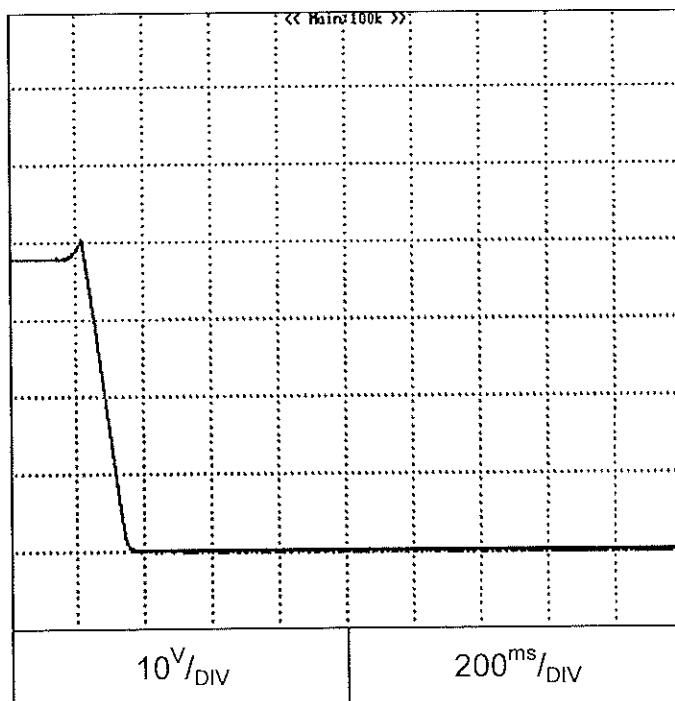
Conditions: Vin: 100Vac
Iout: 0%
Ta = 25°C

Z10-72



OVP setting: 12V

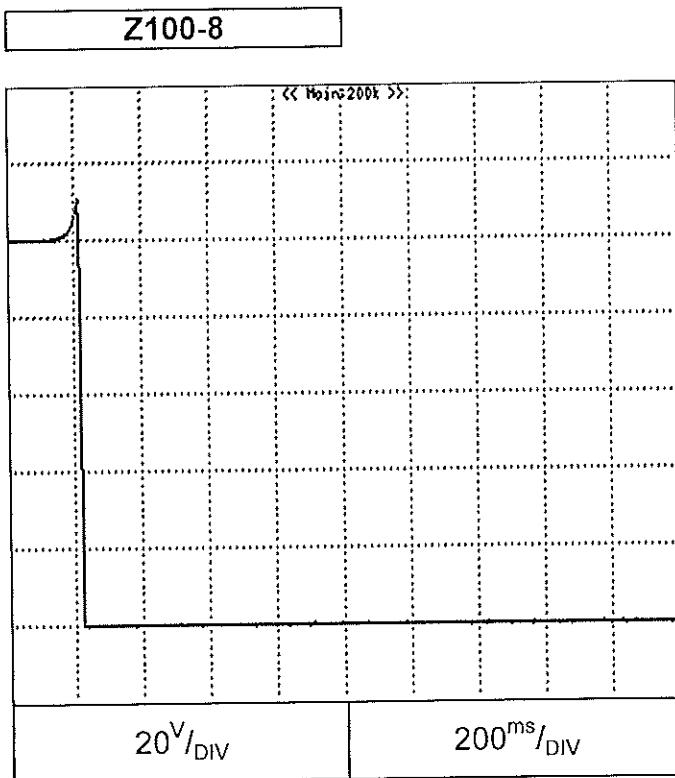
Z36-24



OVP setting: 40V

2.3 Over voltage protection (OVP) characteristics

Conditions: Vin: 100Vac
Iout: 0%
Ta = 25°C



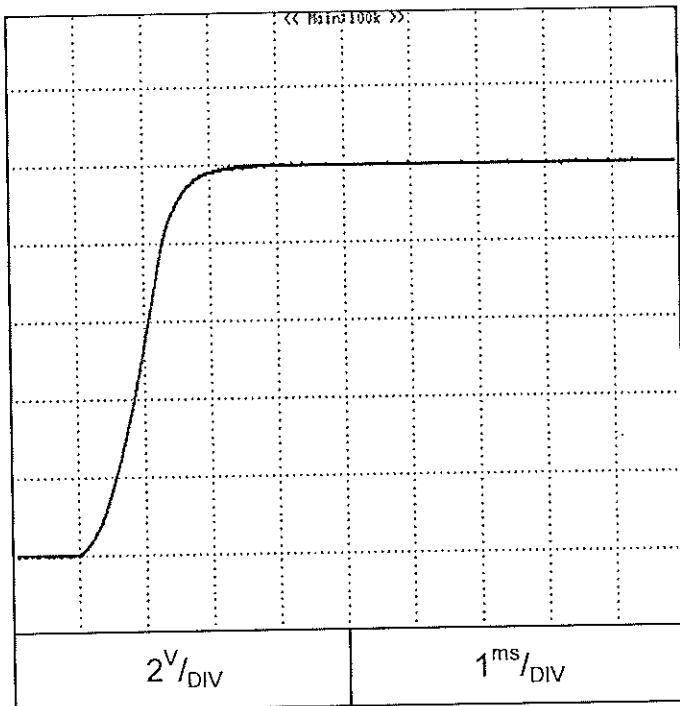
OVP setting: 110V

2.4 ON/OFF Output rise characteristics

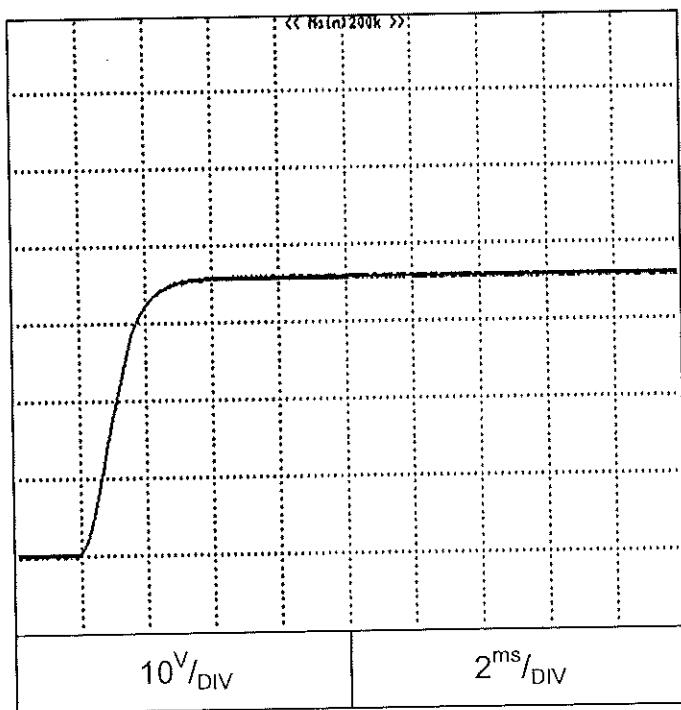
C.V mode

Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Ta = 25°C

Z10-72

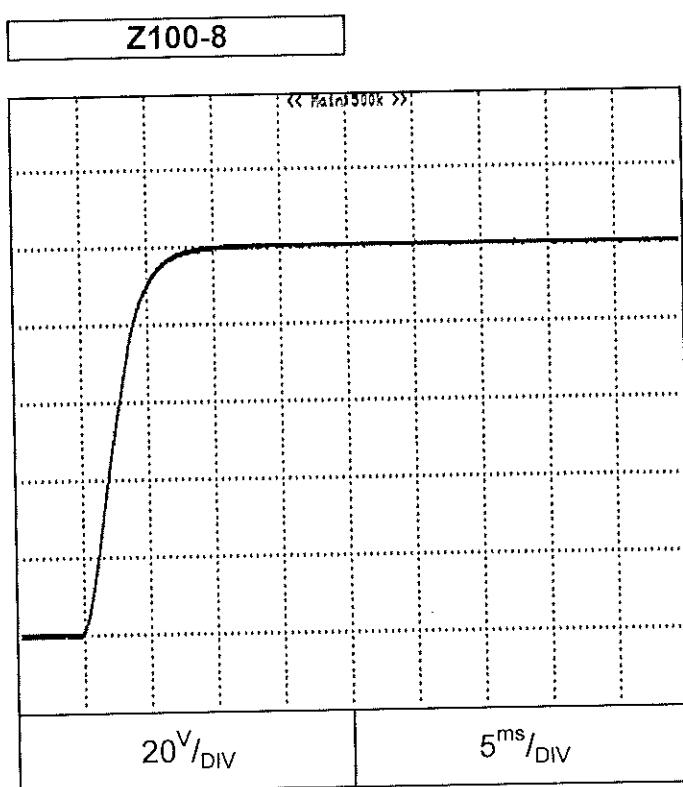


Z36-24



2.4 ON/OFF Output rise characteristics

C.V mode

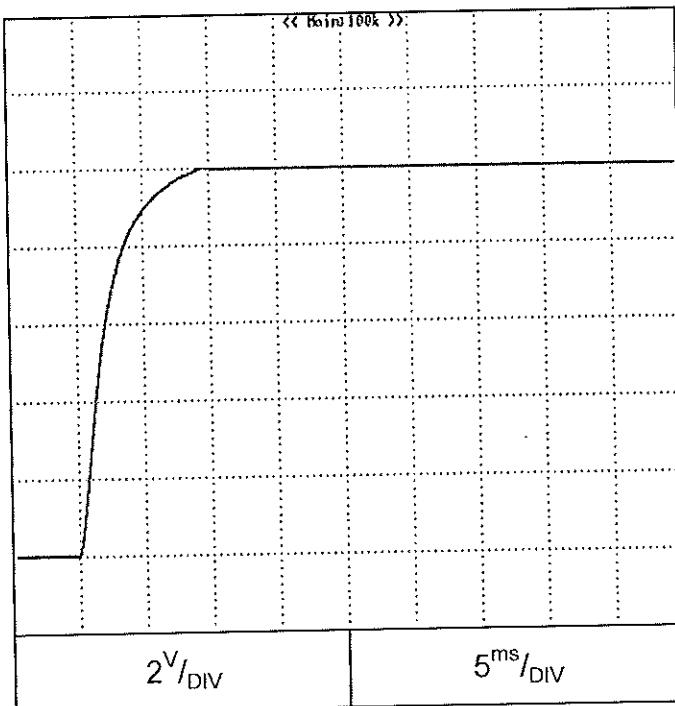


Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Ta = 25°C

2.4 ON/OFF Output rise characteristics

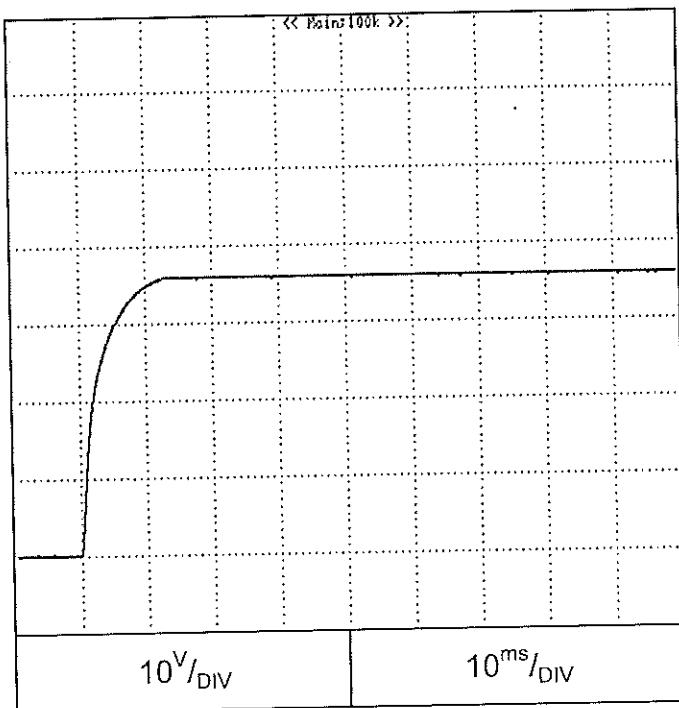
C.V mode

Z10-72



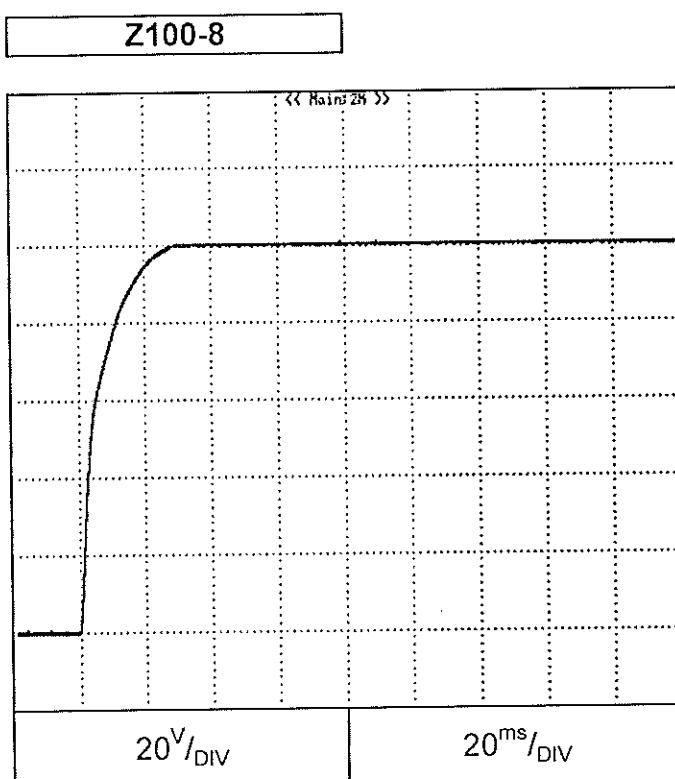
Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Load: CR
Ta = 25°C

Z36-24



2.4 ON/OFF Output rise characteristics

C.V mode



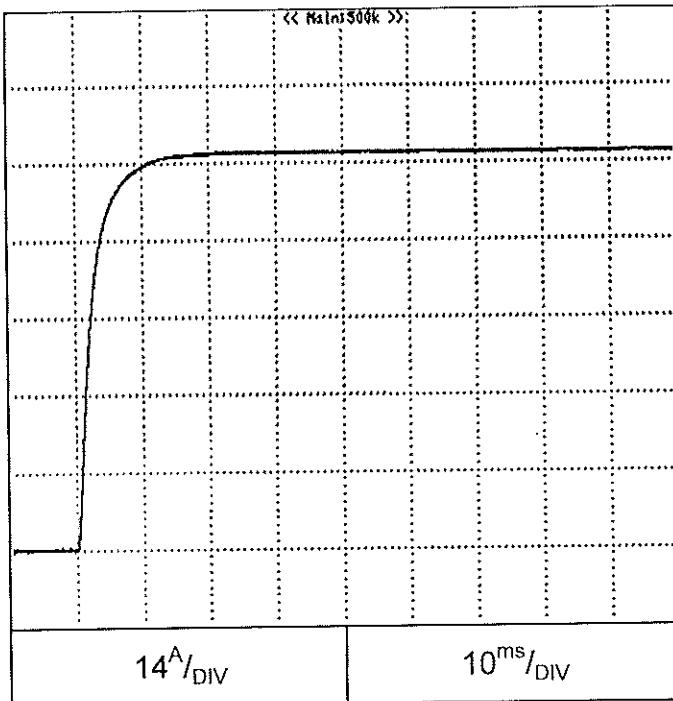
Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Load: CR
Ta = 25°C

2.4 ON/OFF Output rise characteristics

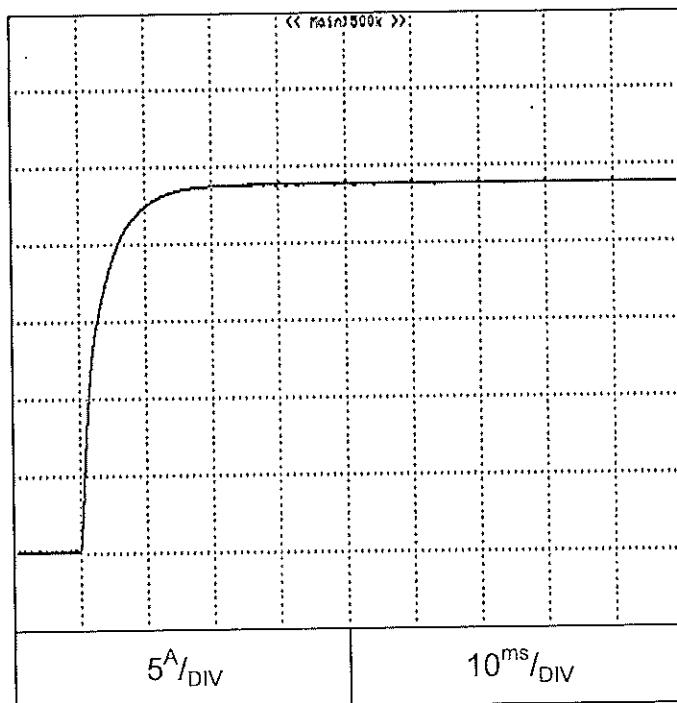
C.C mode

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Vset= 105%
Load: CR
Ta = 25°C

Z10-72

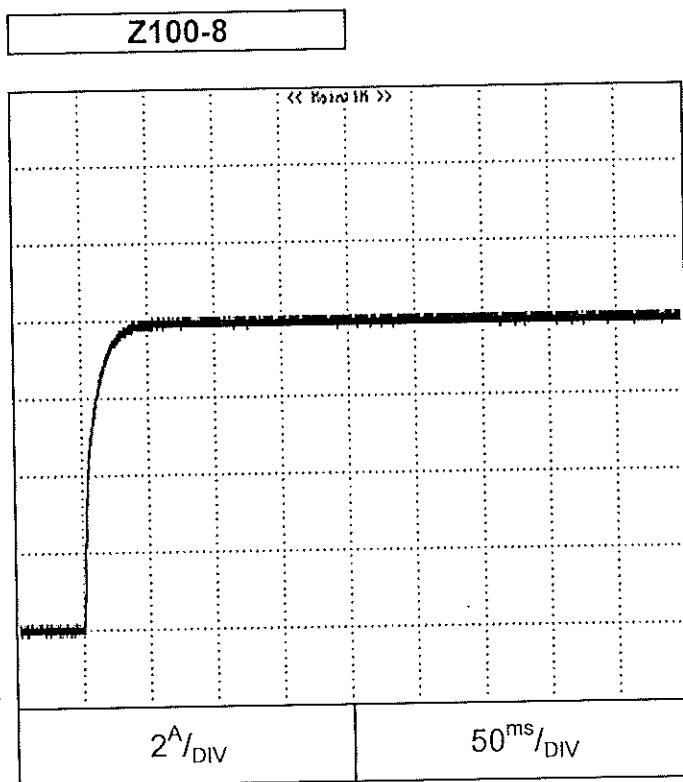


Z36-24



2.4 ON/OFF Output rise characteristics

C.C mode



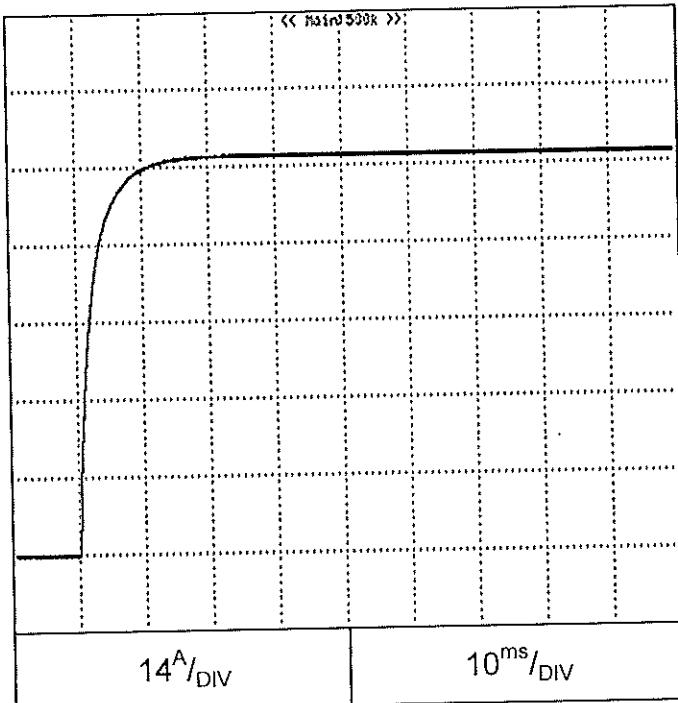
Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Vset= 105%
Load: CR
Ta = 25°C

2.4 ON/OFF Output rise characteristics

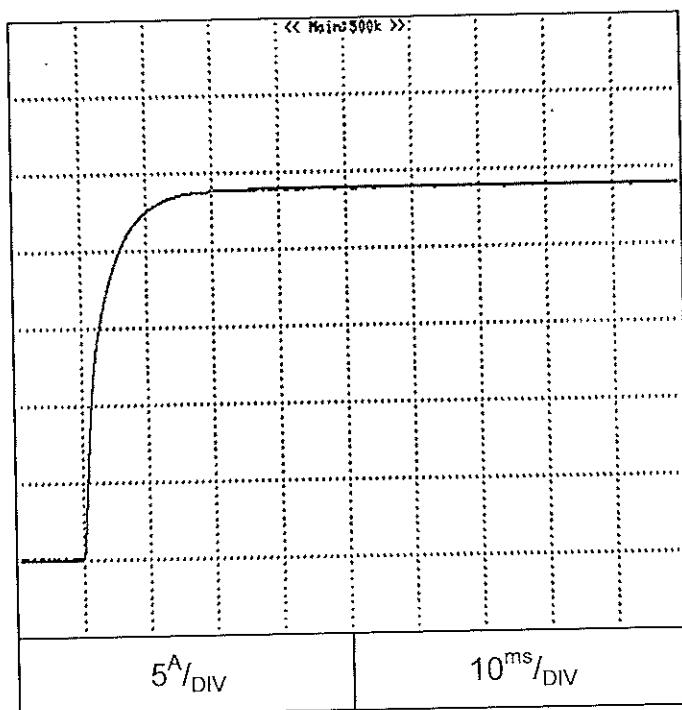
C.C mode

Conditions: Vin: 100Vac
Iout: 100%
Vset= 105%
shorted output
Ta = 25°C

Z10-72



Z36-24

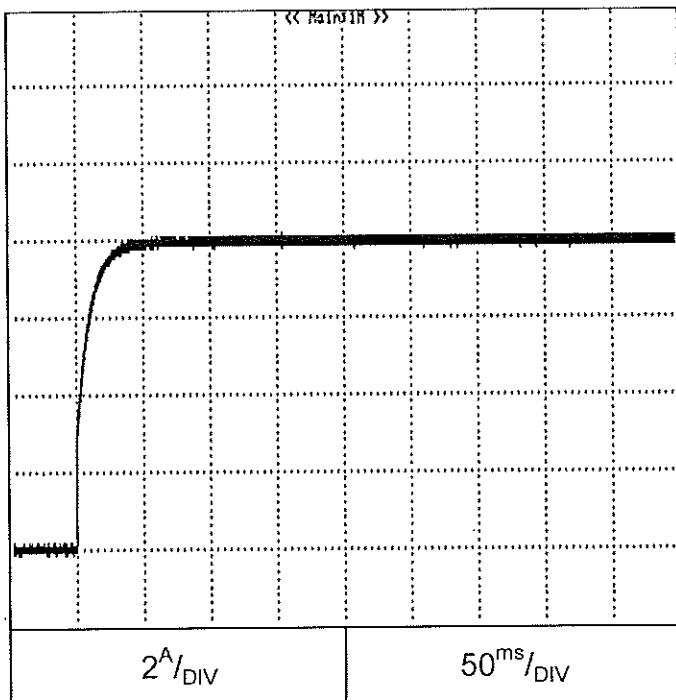


2.4 ON/OFF Output rise characteristics

C.C mode

Z100-8

Conditions: Vin: 100Vac
Iout: 100%
Vset= 105%
shorted output
Ta = 25°C

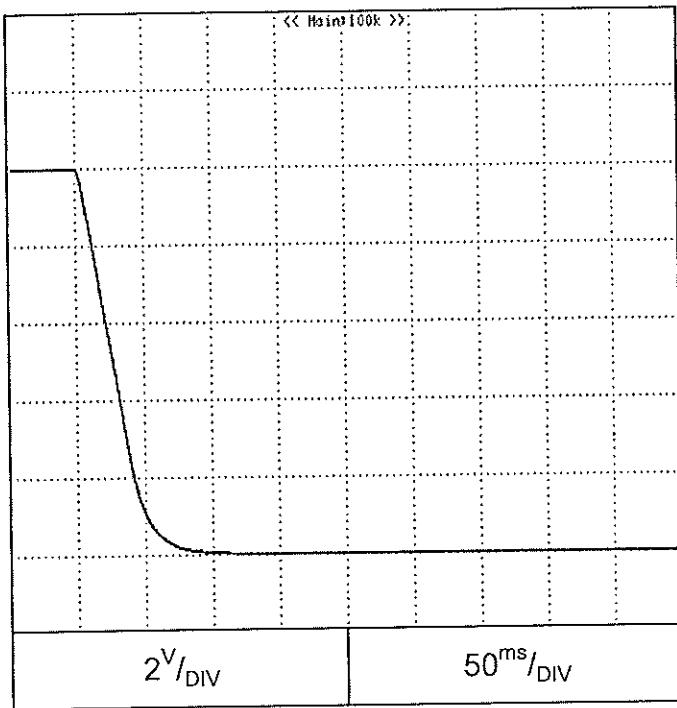


2.5 ON/OFF Output fall characteristics

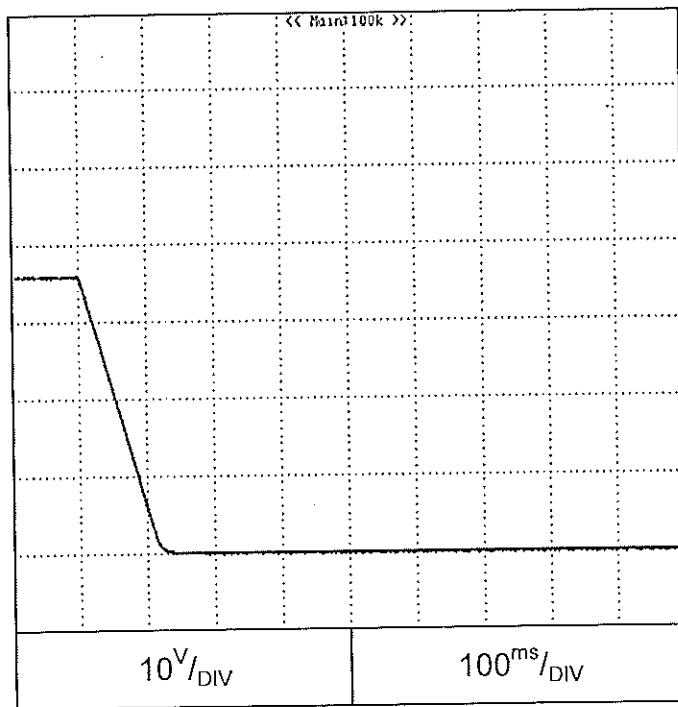
C.V mode

Z10-72

Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Ta = 25°C

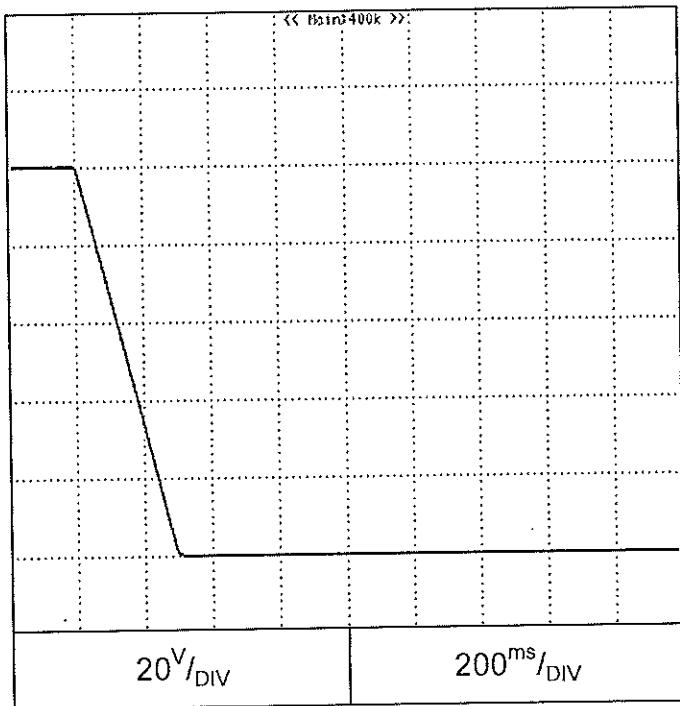


Z36-24



2.5 ON/OFF Output fall characteristics

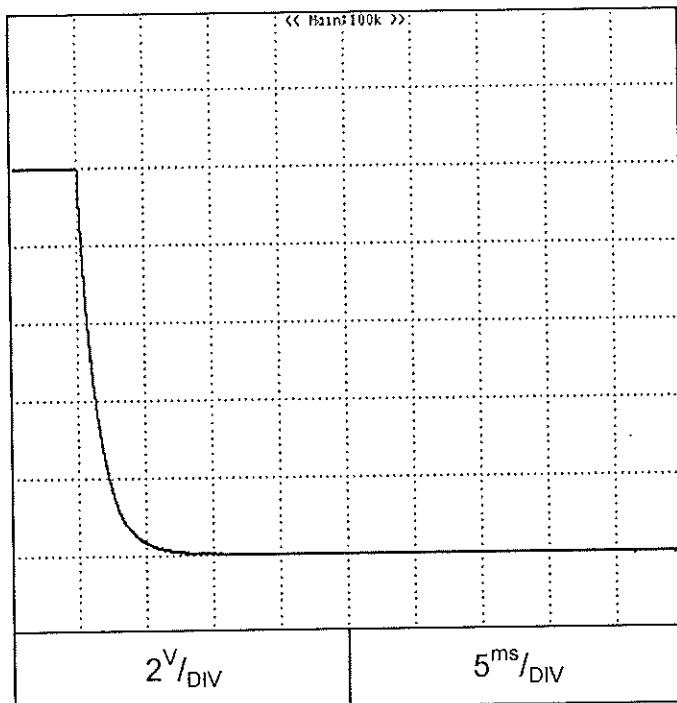
Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Ta = 25°C

C.V mode**Z100-8**

2.5 ON/OFF Output fall characteristics

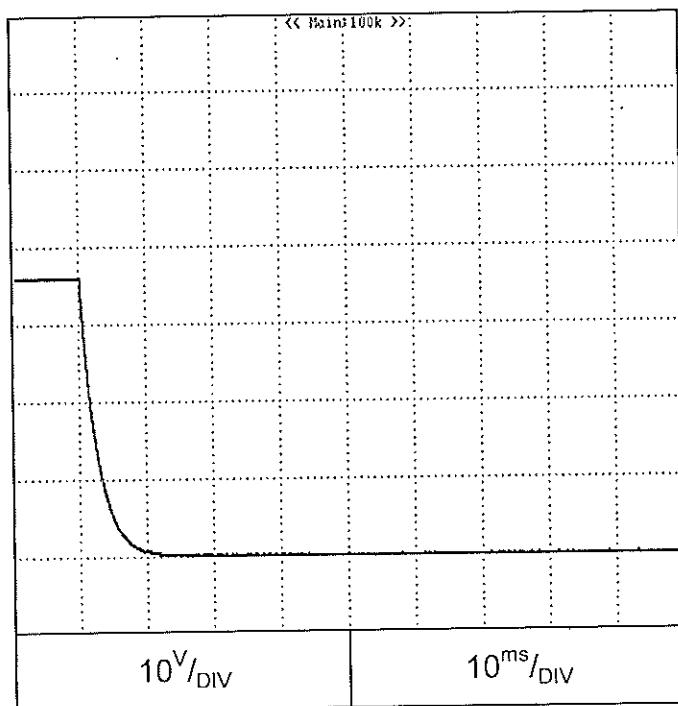
C.V mode

Z10-72



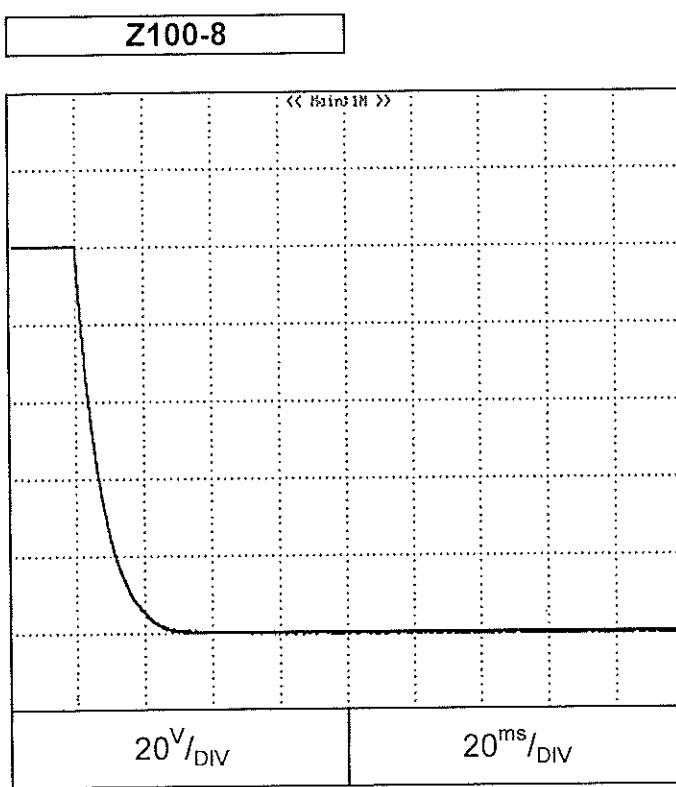
Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Load: CR
Ta = 25°C

Z36-24



2.5 ON/OFF Output fall characteristics

C.V mode

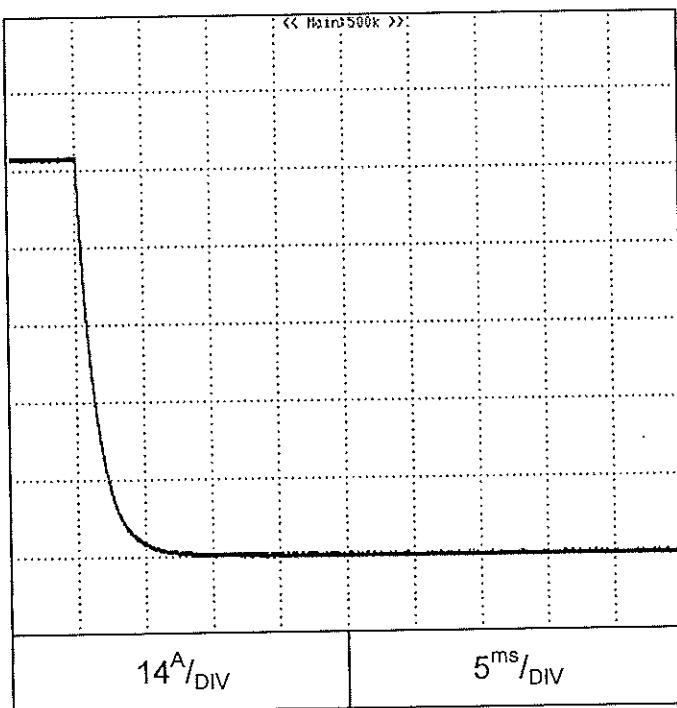


Conditions: Vin: 100Vac
Vout: 100%
Iout: 0%
Iset= 105%
Load: CR
Ta = 25°C

2.5 ON/OFF Output fall characteristics

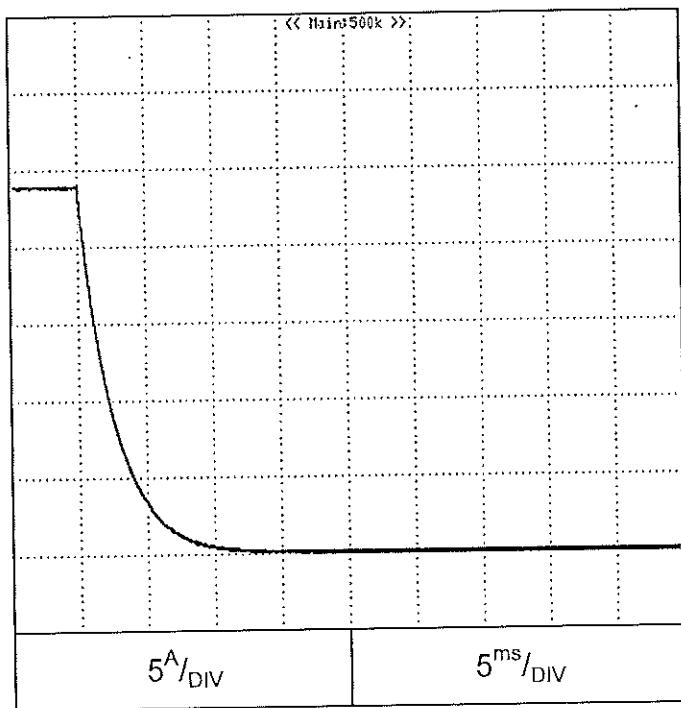
C.C mode

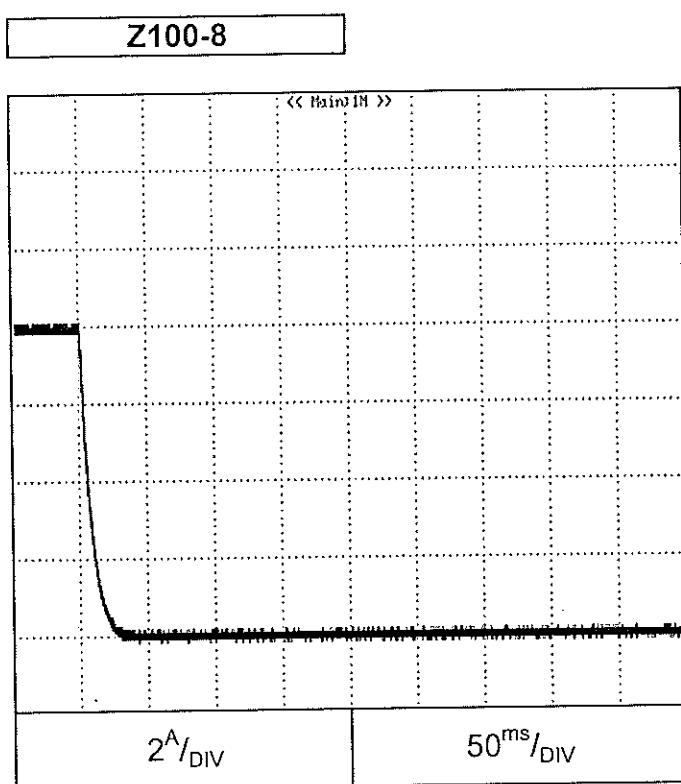
Z10-72



Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Vset= 105%
Load: CR
Ta = 25°C

Z36-24

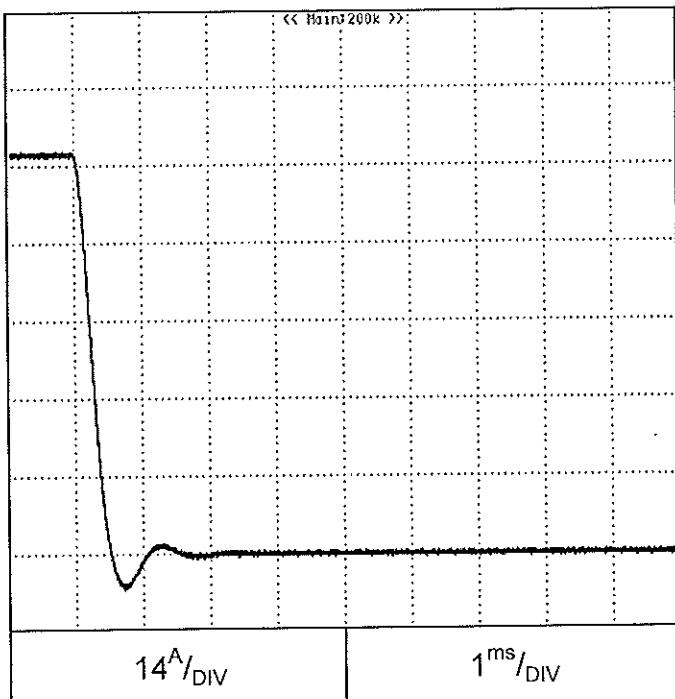
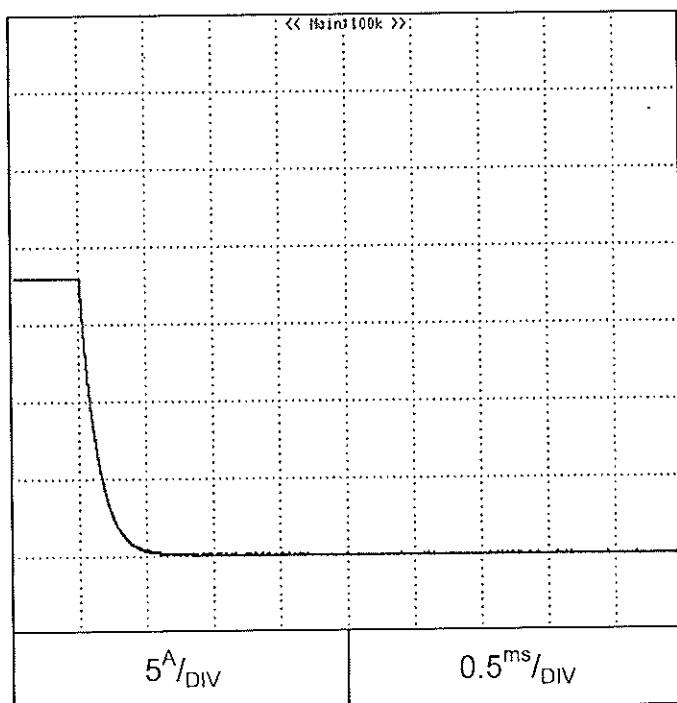


2.5 ON/OFF Output fall characteristics**C.C mode**

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Vset= 105%
Load: CR
Ta = 25°C

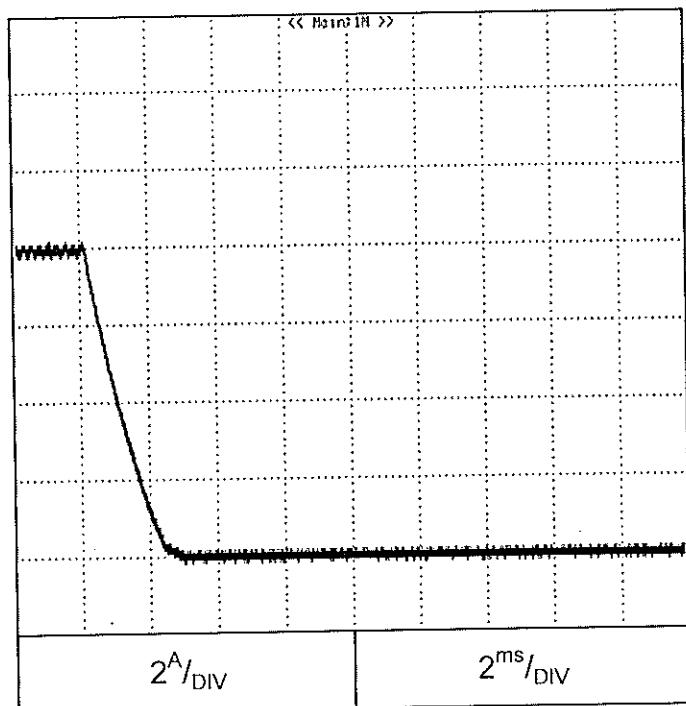
2.5 ON/OFF Output fall characteristics**C.C mode****Z10-72**

Conditions: Vin: 100Vac
Iout: 100%
Vset= 105%
shorted output
Ta = 25°C

**Z36-24**

2.5 ON/OFF Output fall characteristics**C.C mode****Z100-8**

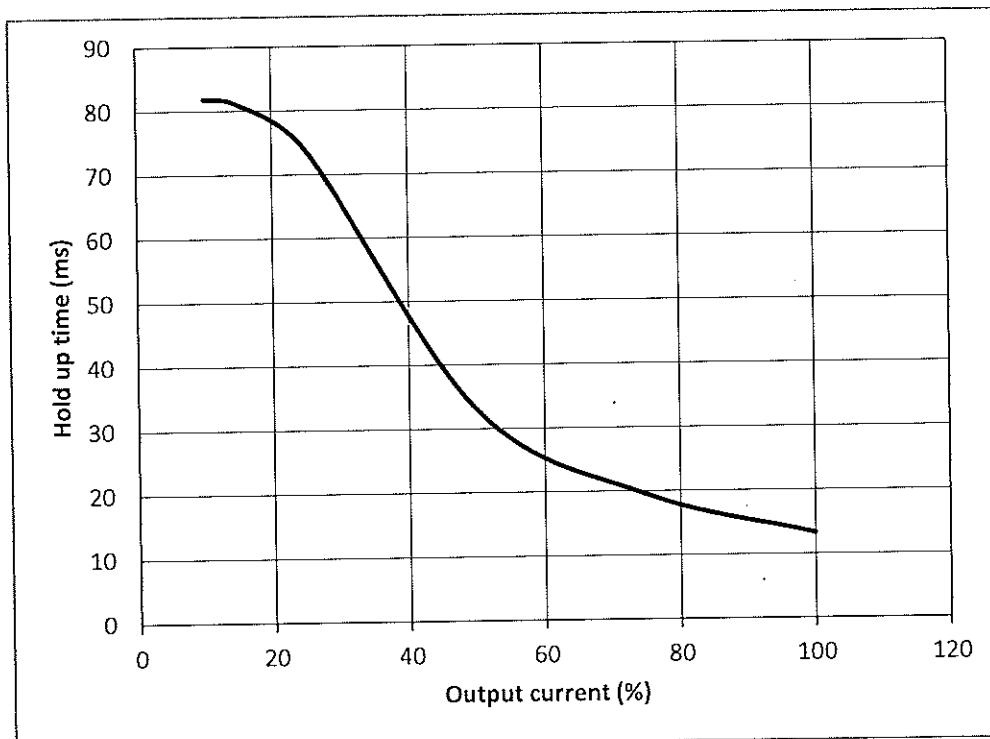
Conditions: Vin: 100Vac
Iout: 100%
Vset= 105%
shorted output
Ta = 25°C



2.6 Hold up time characteristics

Conditions: Vin: 100Vac
Vout: 100%
Ta = 25°C

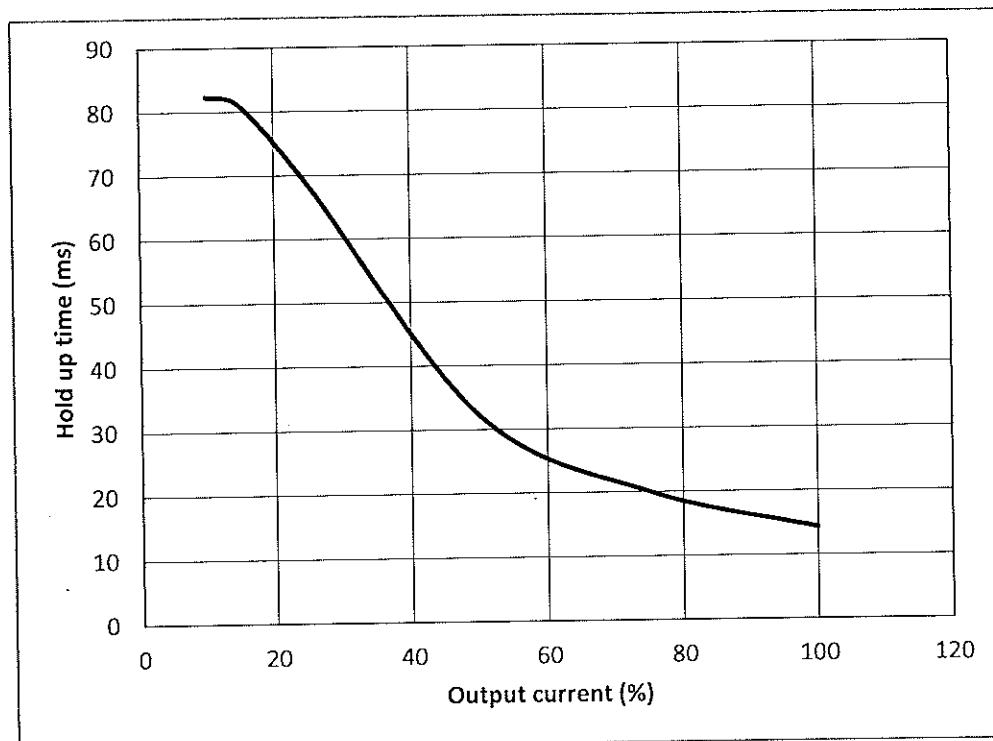
Z10-72



2.6 Hold up time characteristics

Conditions: Vin: 100Vac
Vout: 100%
Ta = 25°C

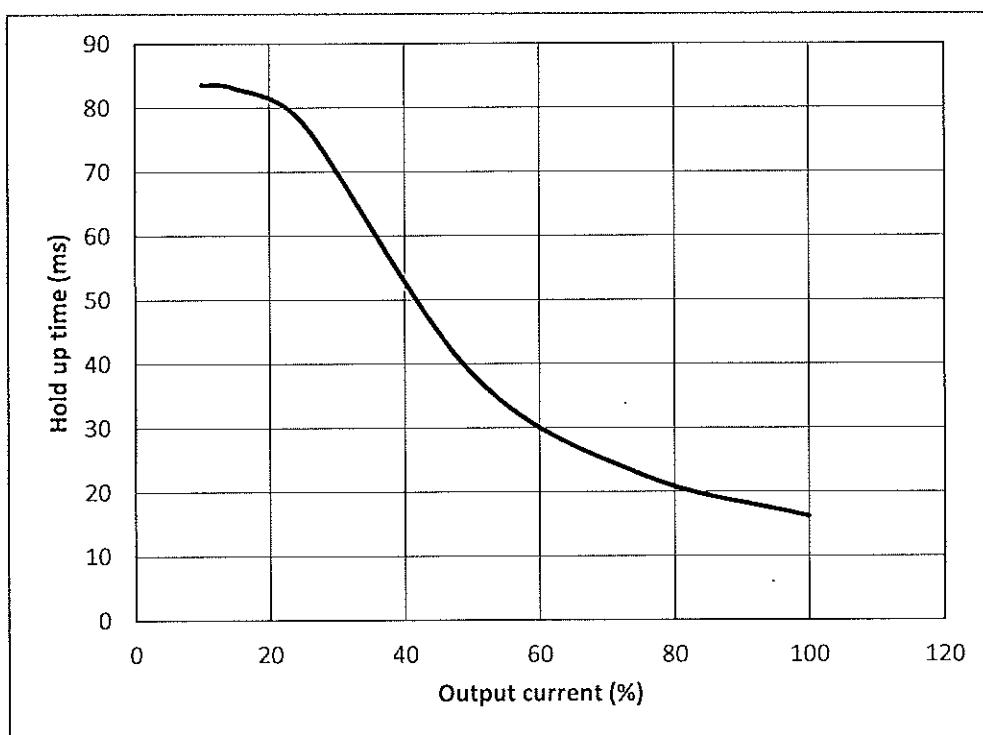
Z36-24



2.6 Hold up time characteristics

Conditions: Vin: 100Vac
Vout: 100%
Ta = 25°C

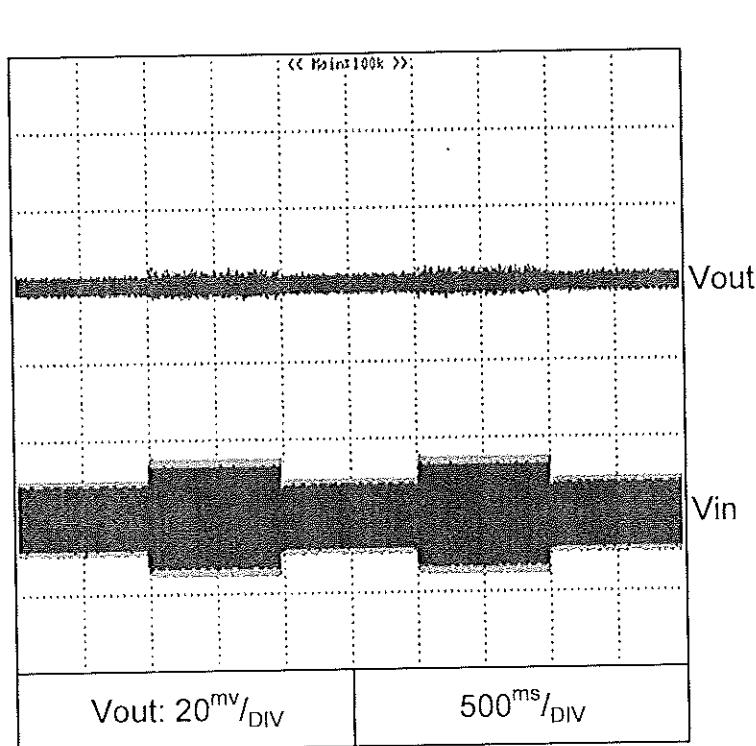
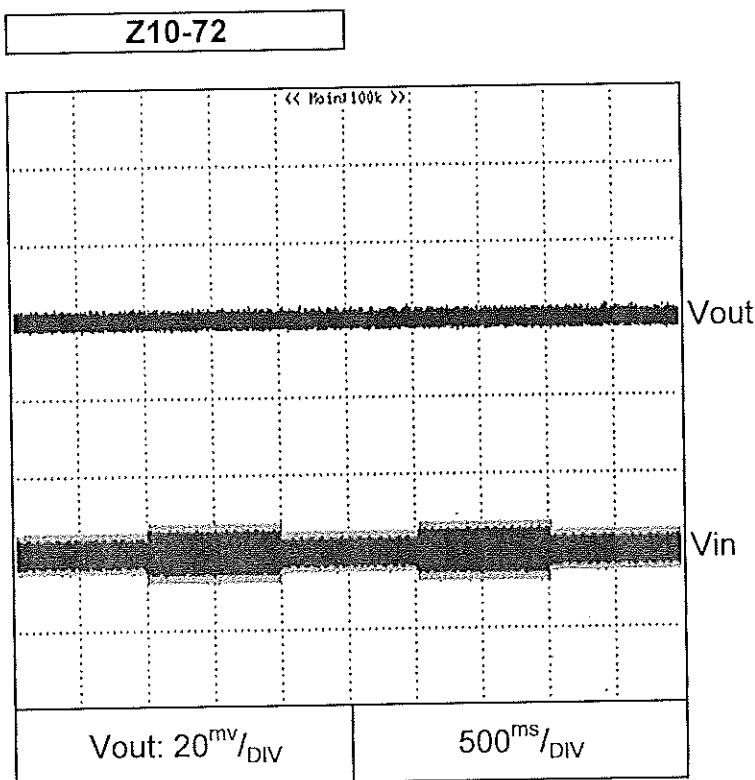
Z100-8



2.7 Dynamic line response characteristics

C.V mode

Conditions: Vin: 85↔132Vac
Vout: 100%
Iout: 100%
Ta = 25°C

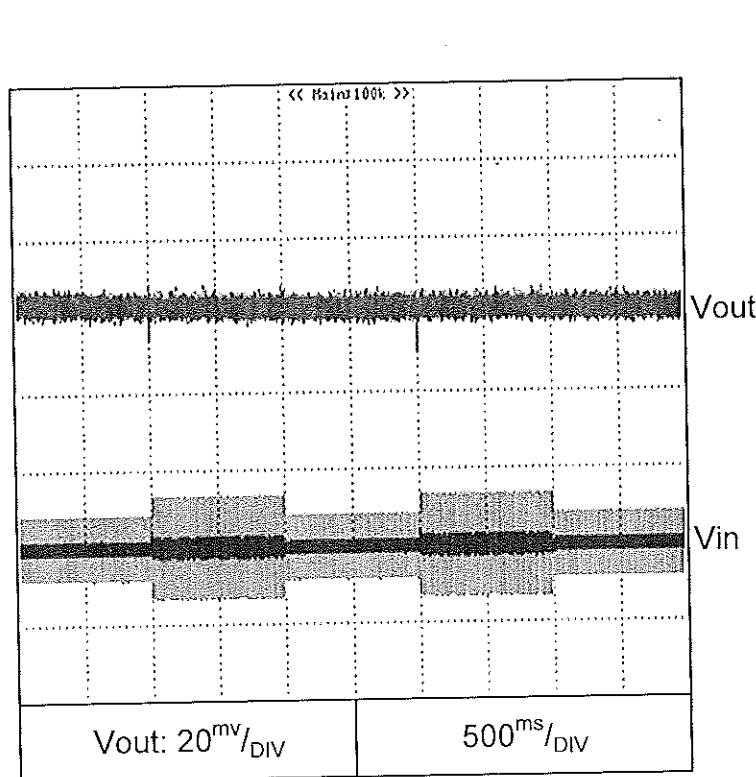
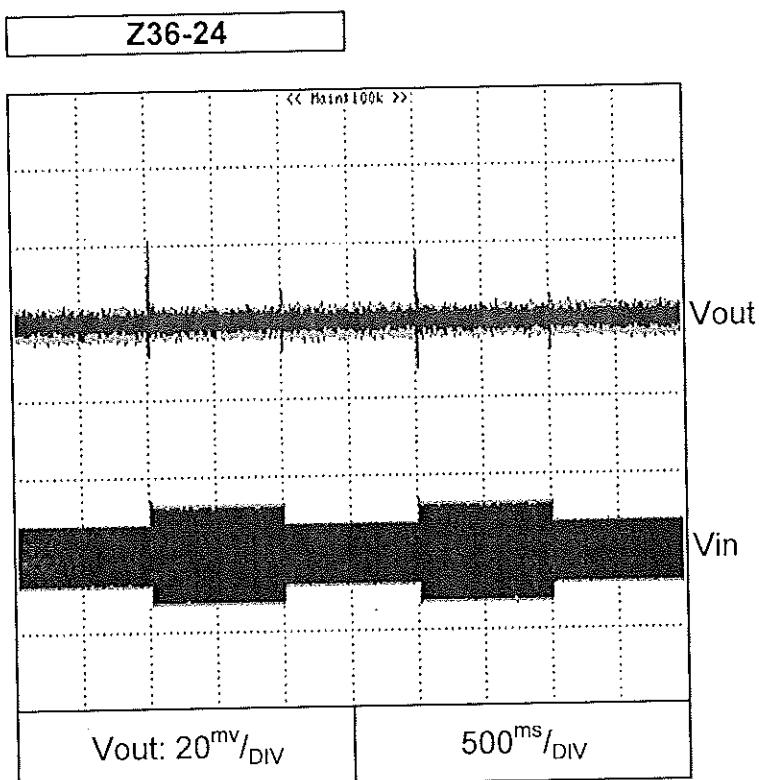


Conditions: Vin: 170↔265Vac
Vout: 100%
Iout: 100%
Ta = 25°C

2.7 Dynamic line response characteristics

C.V mode

Conditions: Vin: 85↔132Vac
Vout: 100%
Iout: 100%
Ta = 25°C

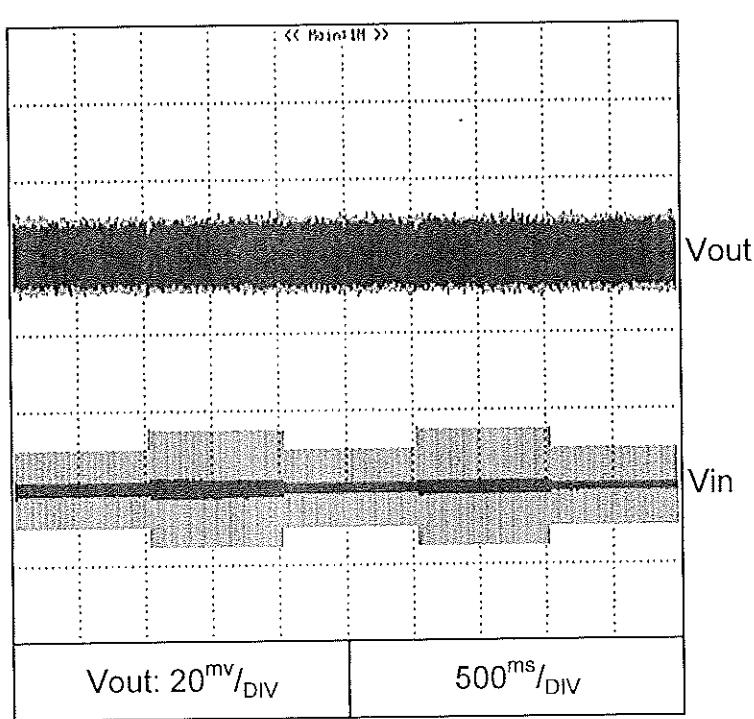
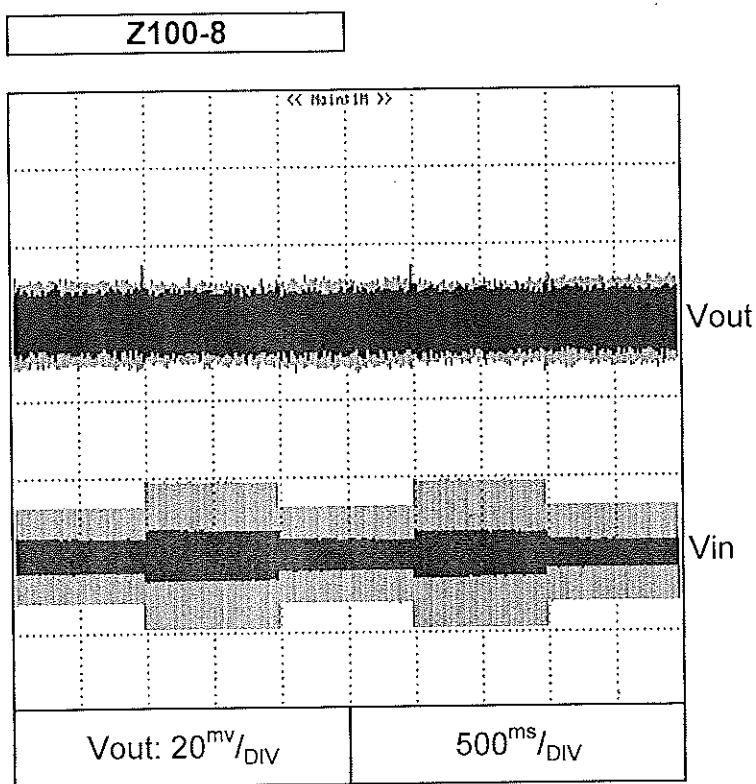


Conditions: Vin: 170↔265Vac
Vout: 100%
Iout: 100%
Ta = 25°C

2.7 Dynamic line response characteristics

C.V mode

Conditions: Vin: 85↔132Vac
Vout: 100%
Iout: 100%
Ta = 25°C

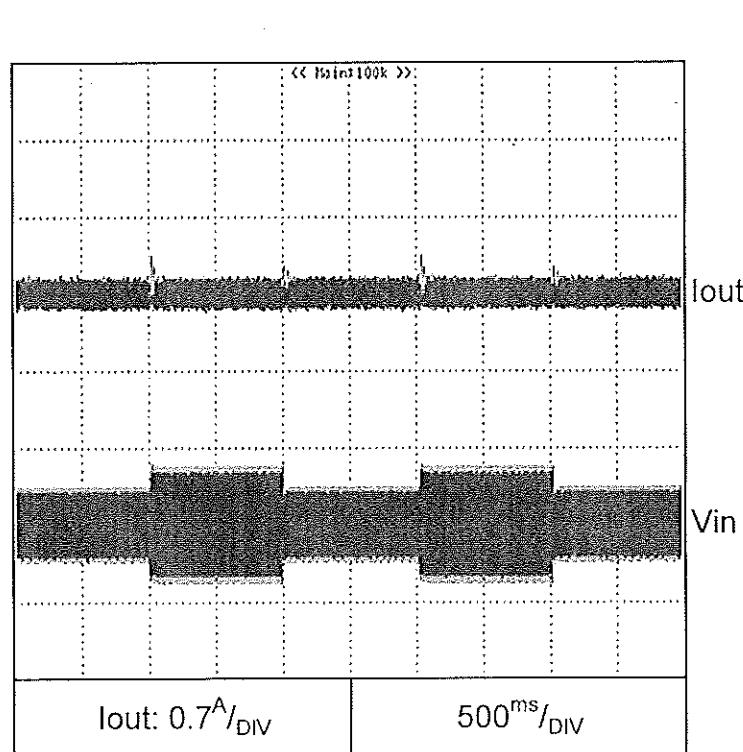
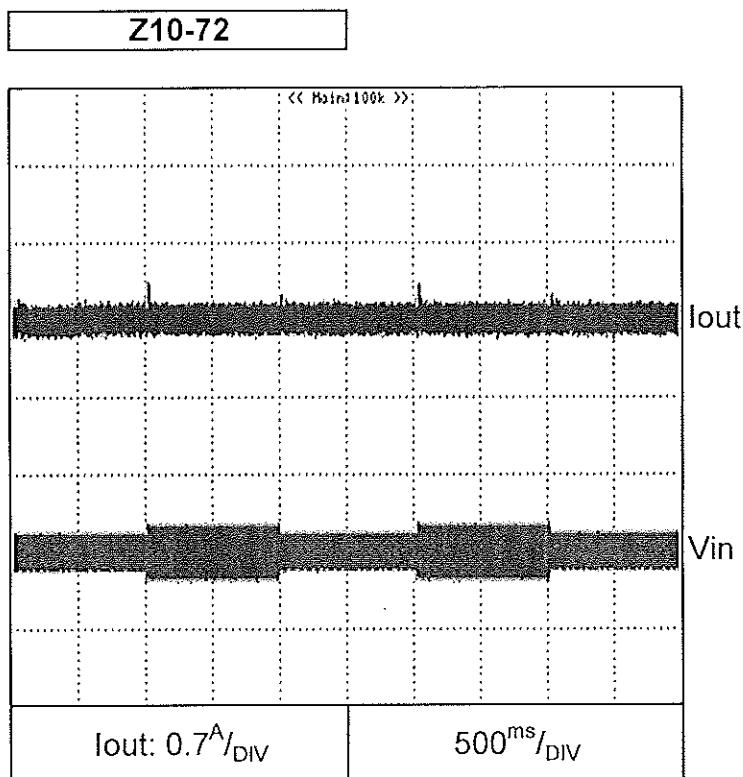


Conditions: Vin: 170↔265Vac
Vout: 100%
Iout: 100%
Ta = 25°C

2.7 Dynamic line response characteristics

C.C mode

Conditions: Vin: 85↔132Vac
Vout: 100%
Iout: 100%
Ta = 25°C

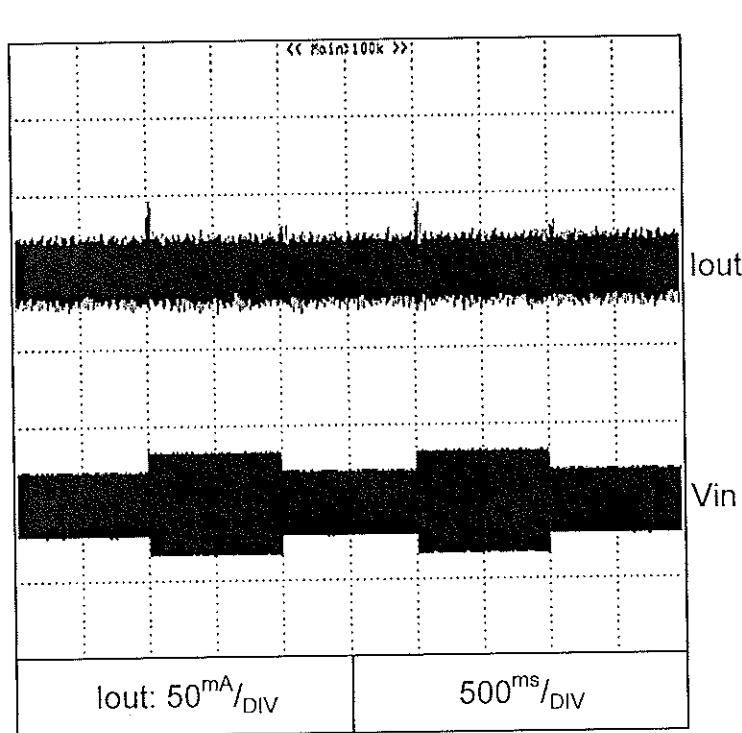
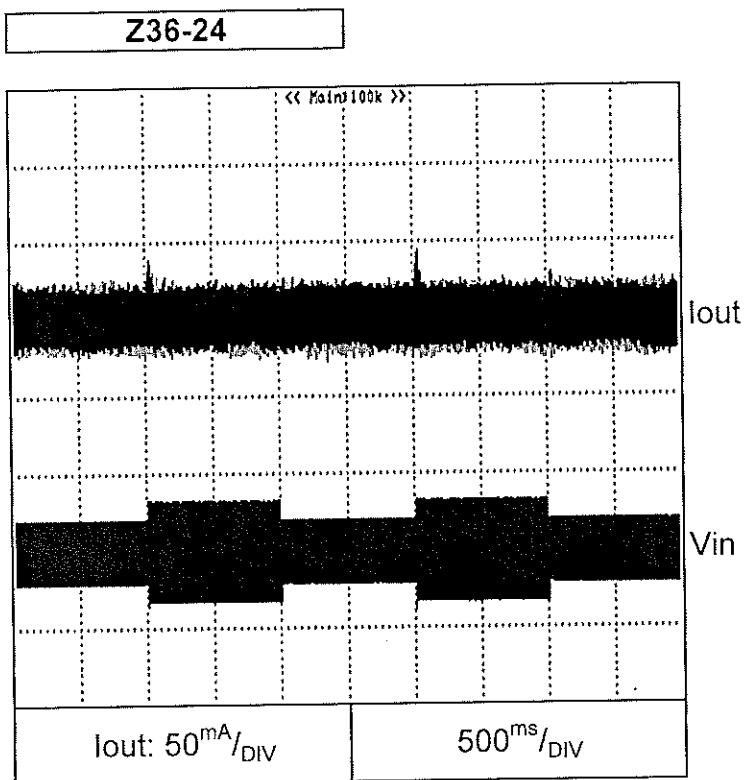


Conditions: Vin: 170↔265Vac
Vout: 100%
Iout: 100%
Ta = 25°C

2.7 Dynamic line response characteristics

C.C mode

Conditions: Vin: 85↔132Vac
Vout: 100%
Iout: 100%
Ta = 25°C

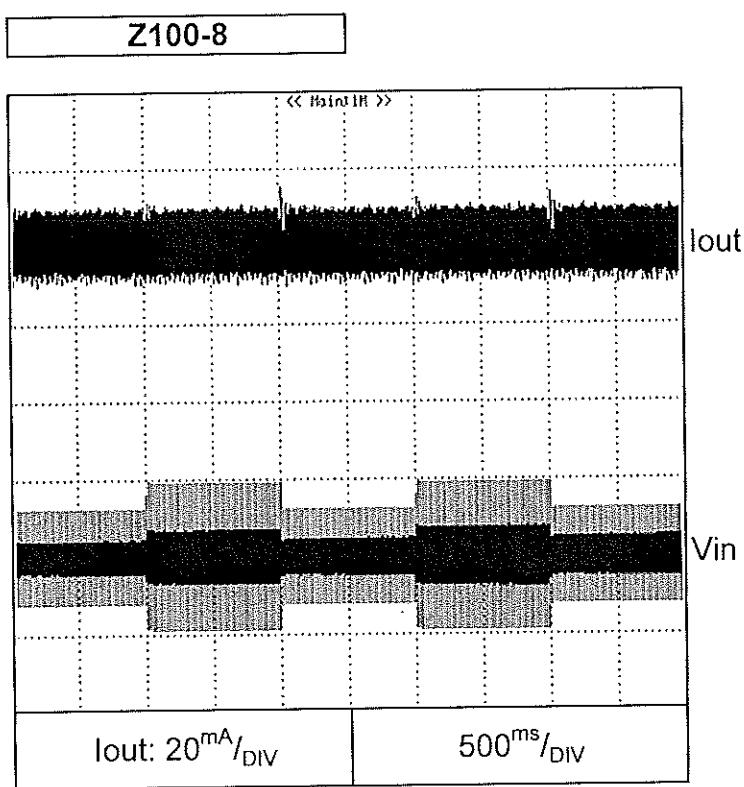


Conditions: Vin: 170↔265Vac
Vout: 100%
Iout: 100%
Ta = 25°C

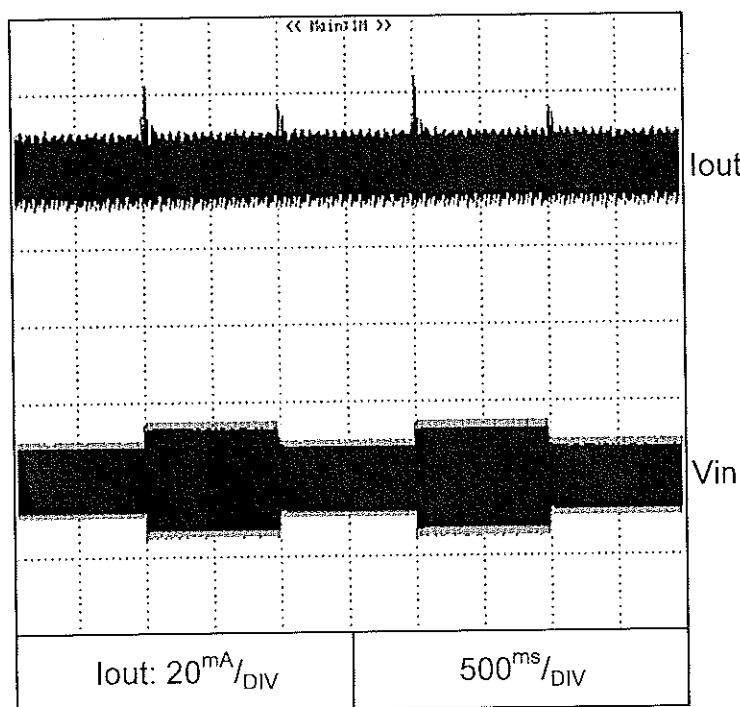
2.7 Dynamic line response characteristics

C.C mode

Conditions: Vin: 85↔132Vac
Vout: 100%
Iout: 100%
Ta = 25°C



Conditions: Vin: 170↔265Vac
Vout: 100%
Iout: 100%
Ta = 25°C



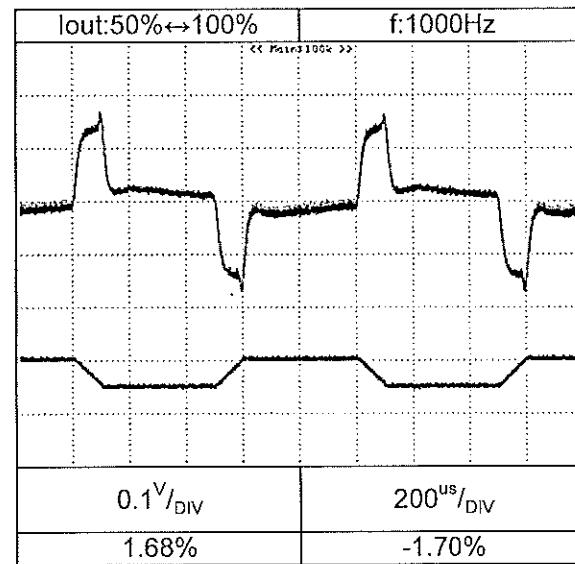
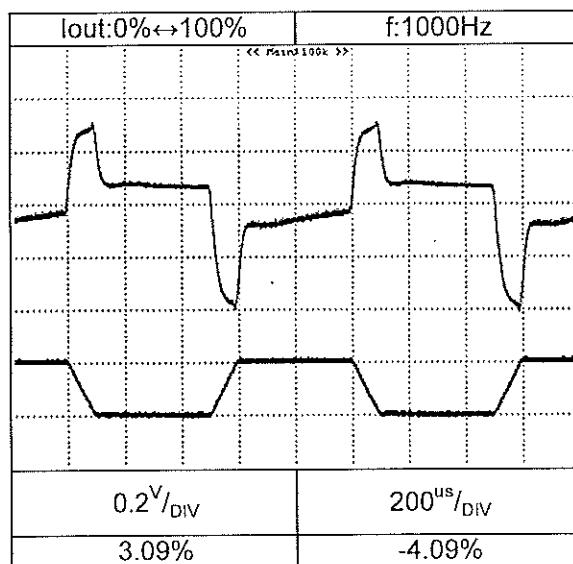
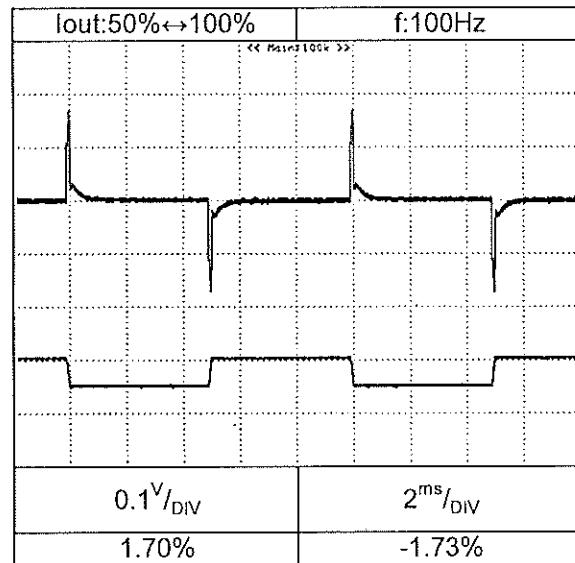
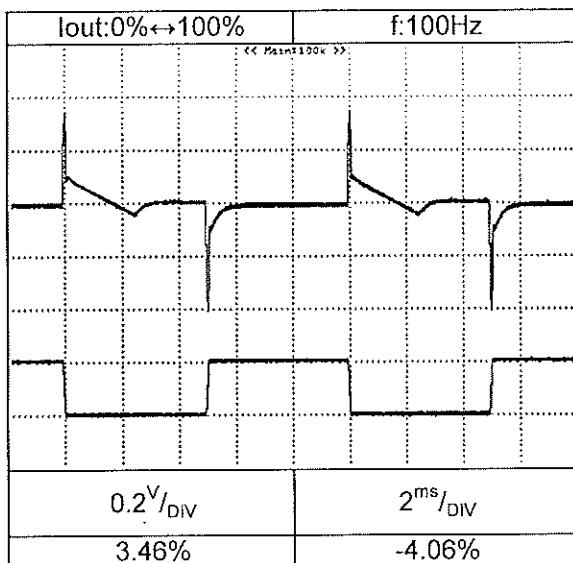
2.8 Dynamic load response characteristics

C.V mode

Conditions: Vin: 100Vac
 Vout: 100%
 Ta = 25°C

Load current: tr=tf=100us

Z10-72



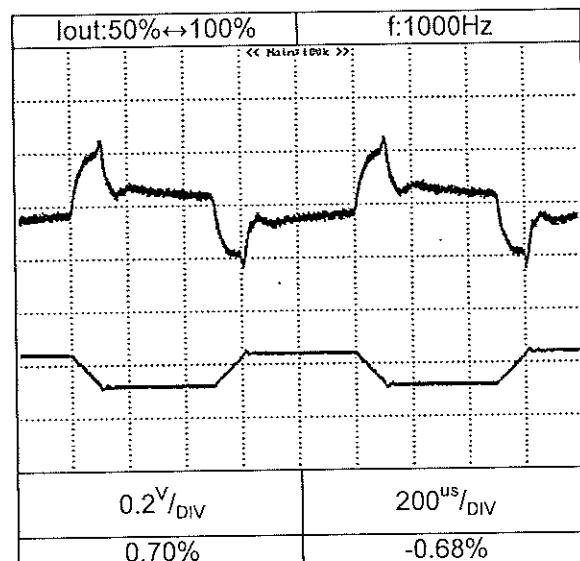
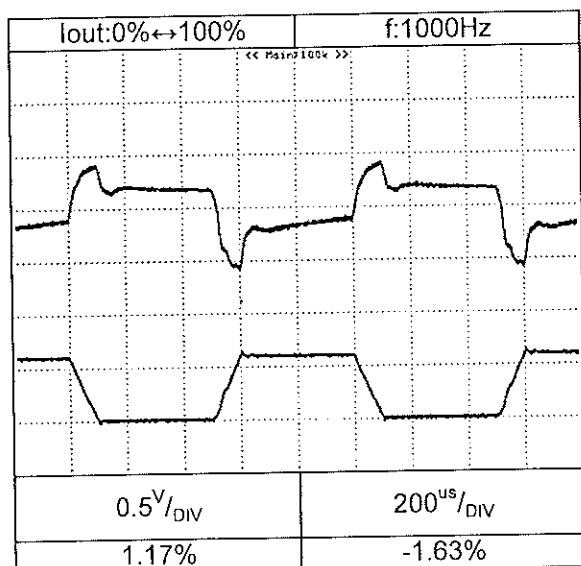
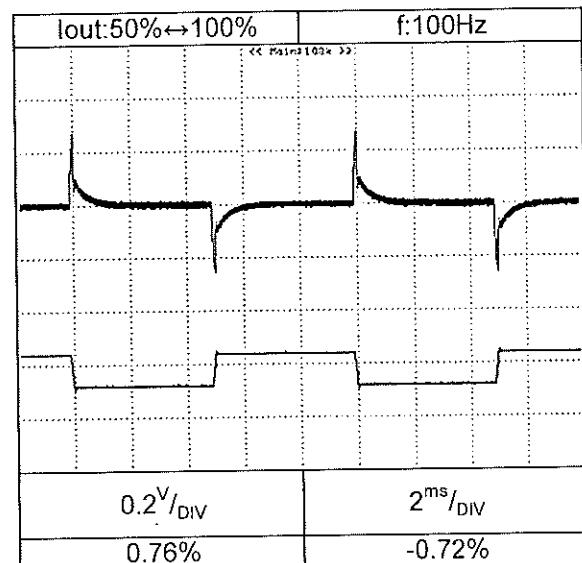
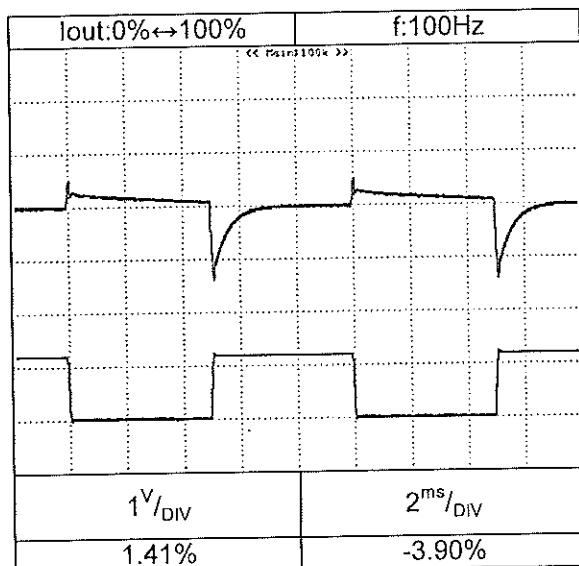
2.8 Dynamic load response characteristics

Conditions: Vin: 100Vac
 Vout: 100%
 Ta = 25°C

C.V mode

Load current: tr=t_f=100us

Z36-24



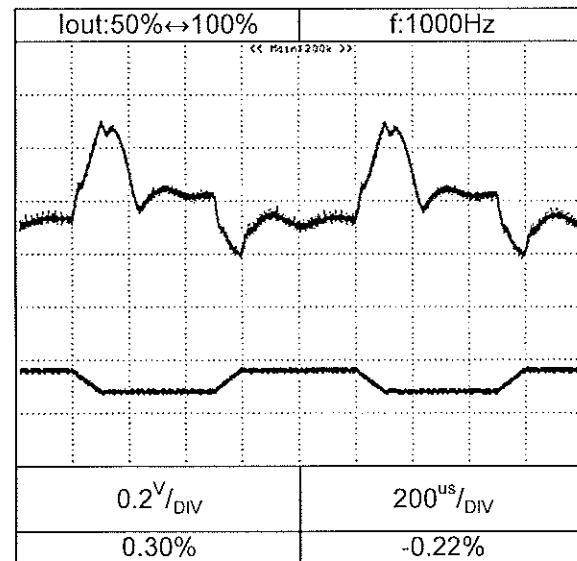
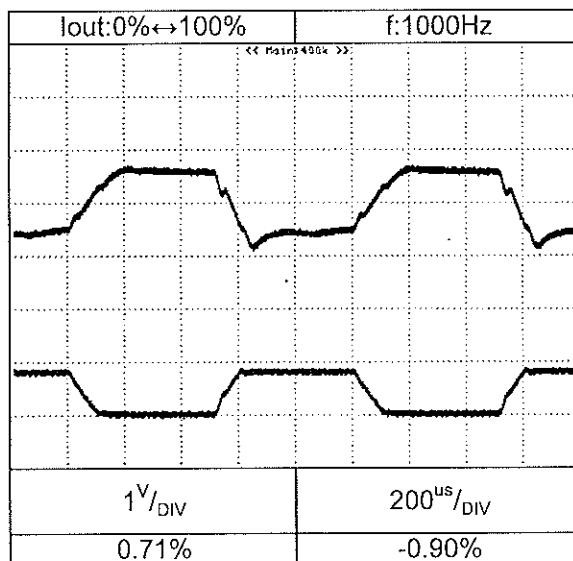
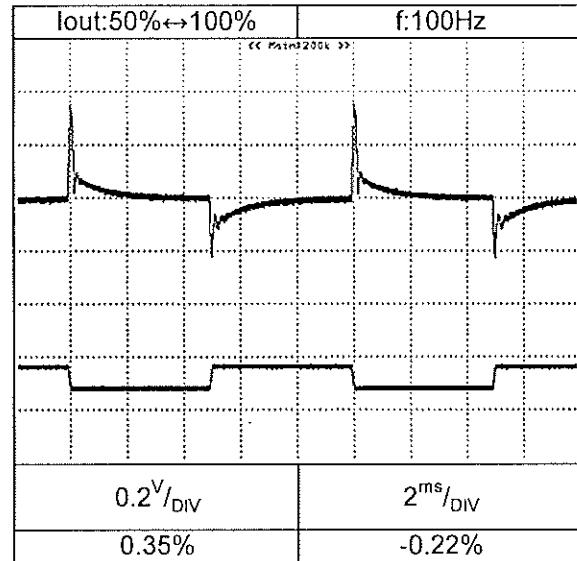
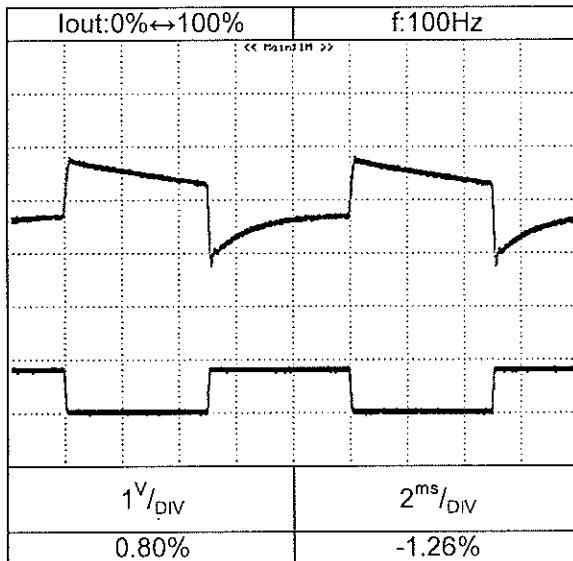
2.8 Dynamic load response characteristics

C.V mode

Conditions: Vin: 100Vac
 Vout: 100%
 Ta = 25°C

Load current: tr=tf=100us

Z100-8

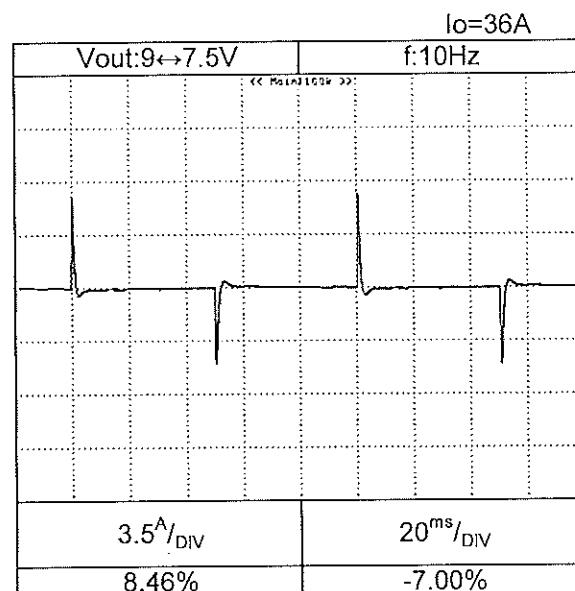
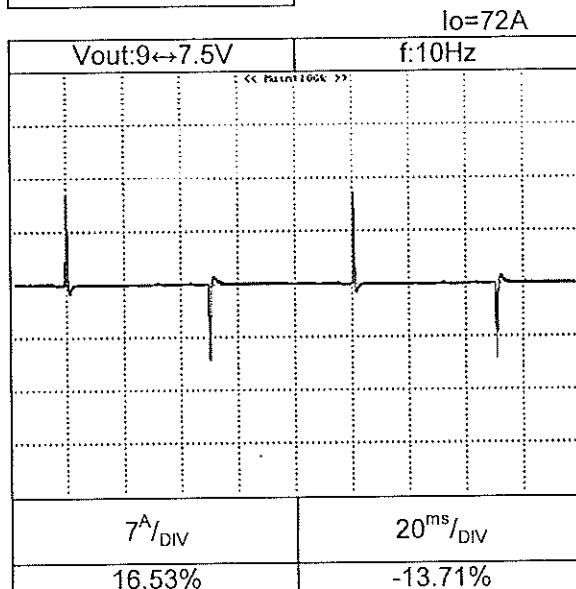


2.8 Dynamic load response characteristics

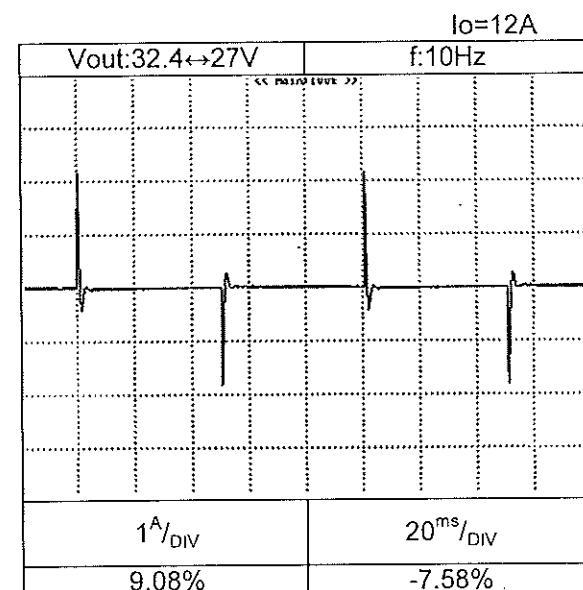
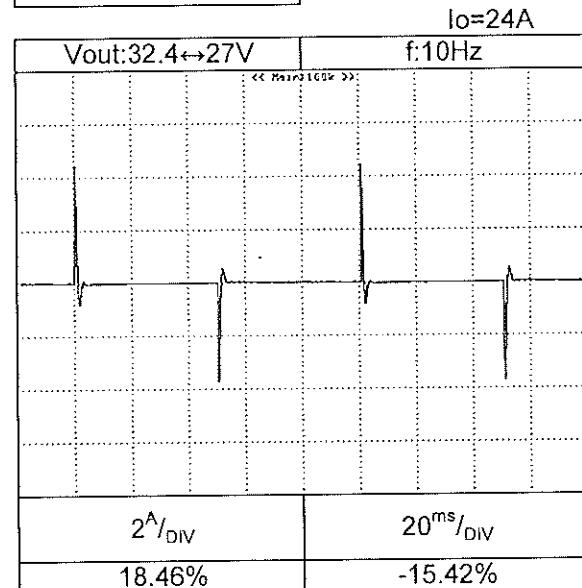
Conditions: Vin: 100Vac
Ta = 25°C

C.C mode

Z10-72



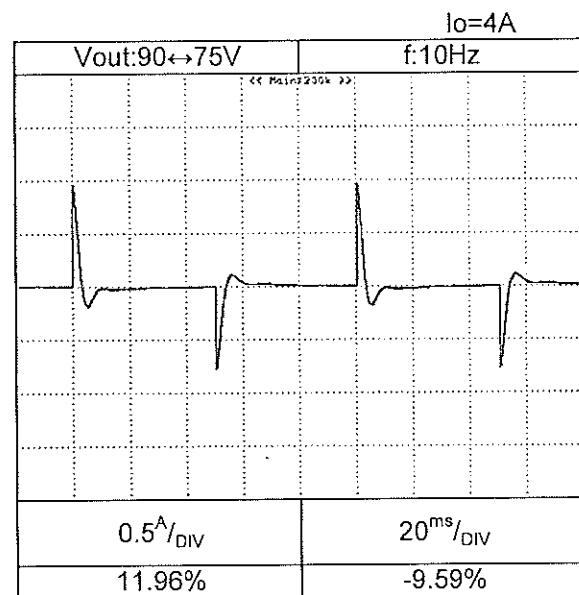
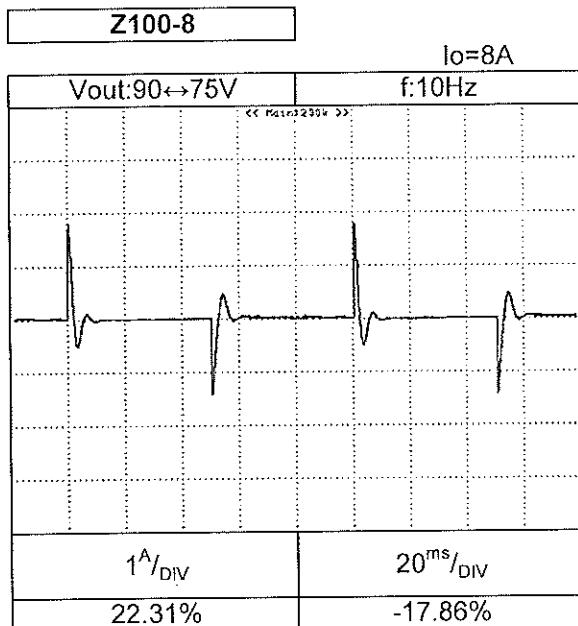
Z36-24



2.8 Dynamic load response characteristics

Conditions: Vin: 100Vac
Ta = 25°C

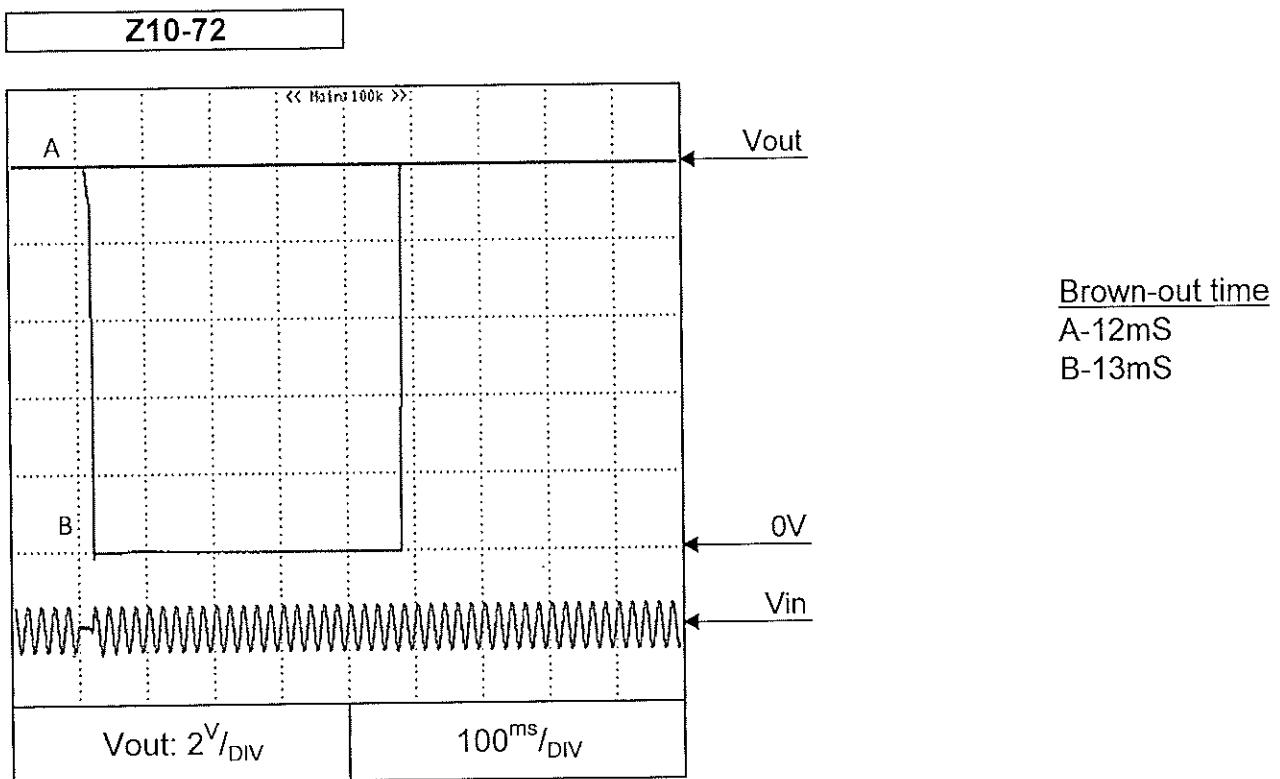
C.C mode



2.9 Response to brown out characteristics

C.V mode

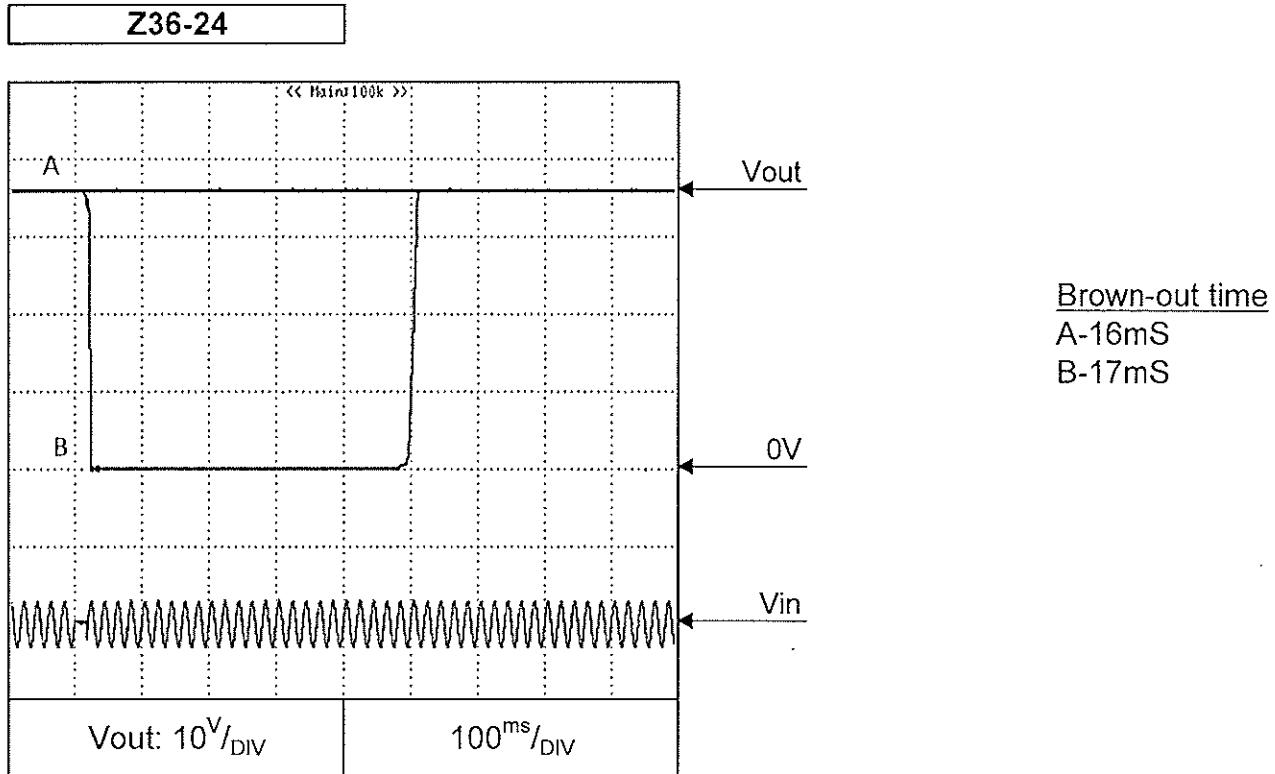
Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C



2.9 Response to brown out characteristics

C.V mode

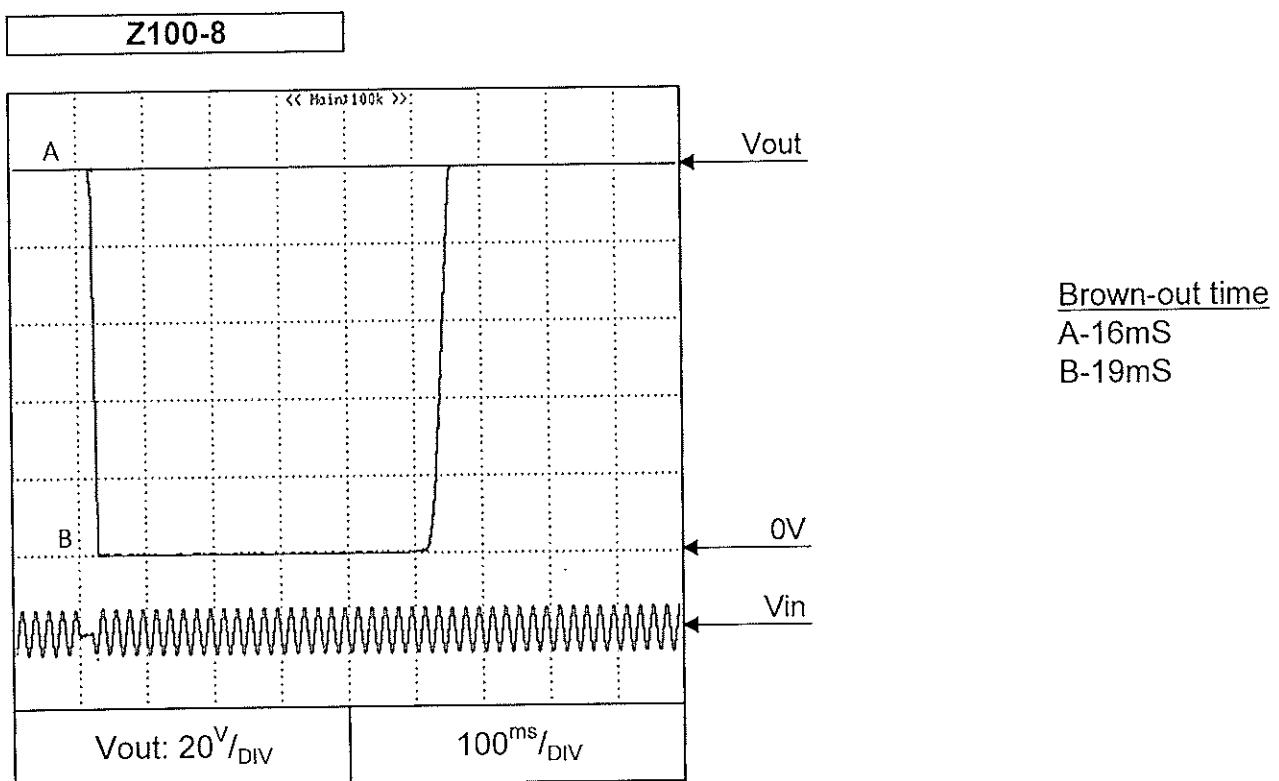
Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C



2.9 Response to brown out characteristics

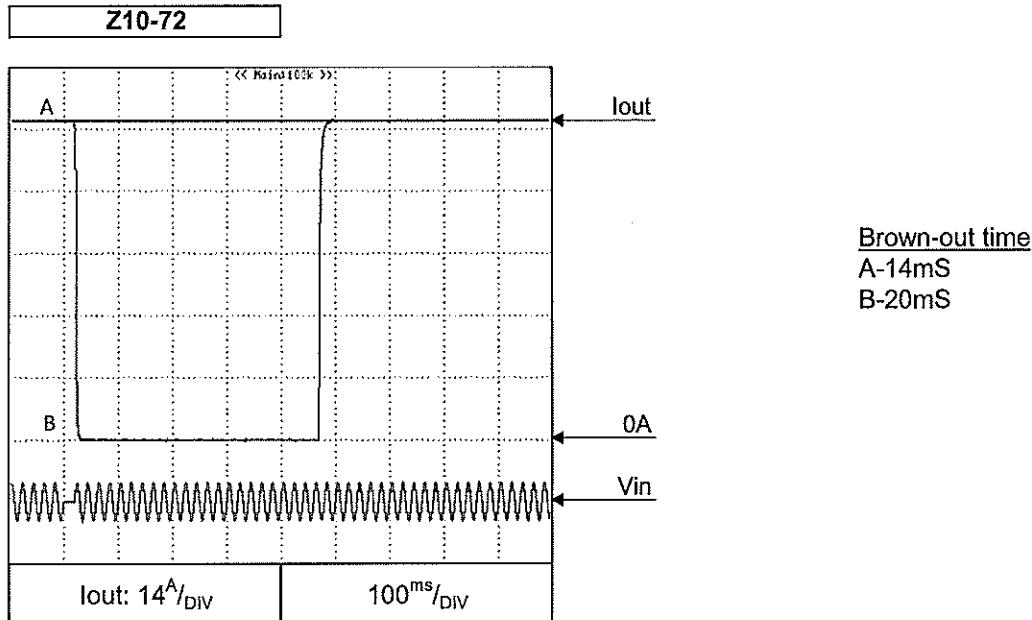
C.V mode

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C



2.9 Response to brown out characteristics**C.C mode**

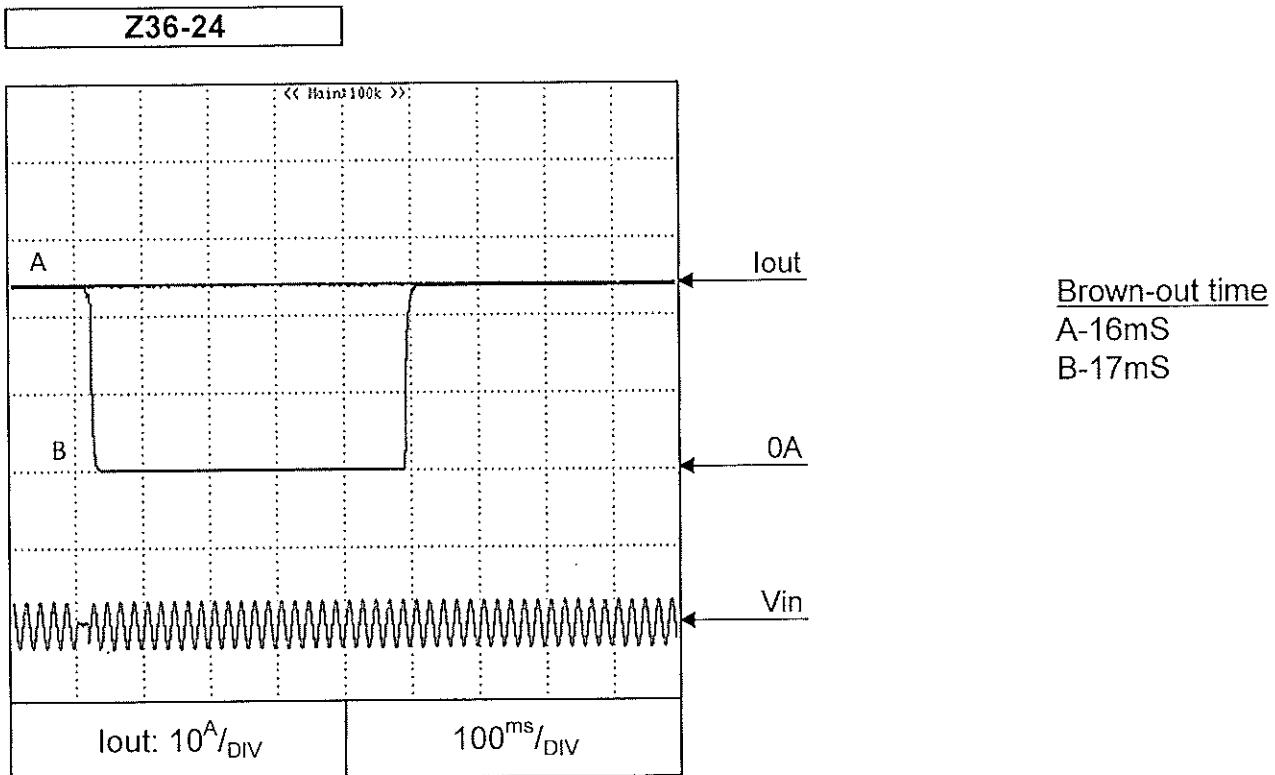
Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C



2.9 Response to brown out characteristics

C.C mode

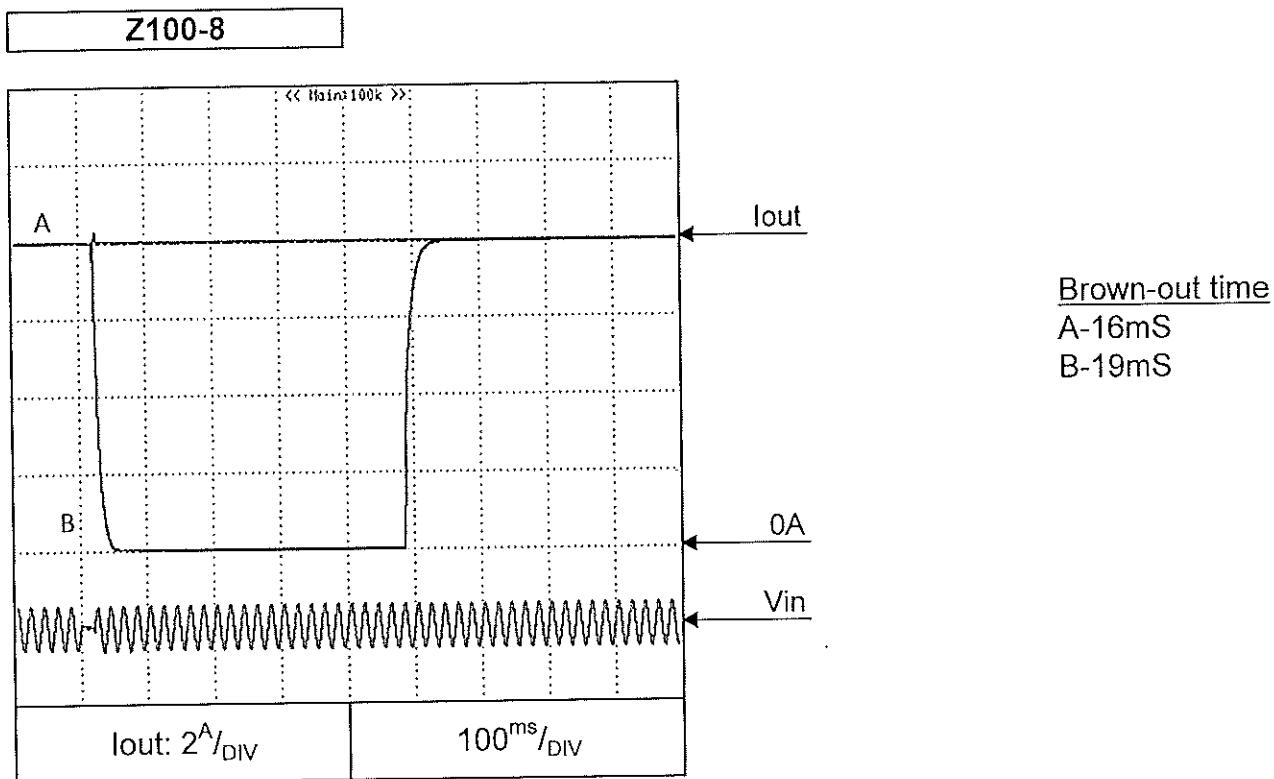
Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C



2.9 Response to brown out characteristics

C.C mode

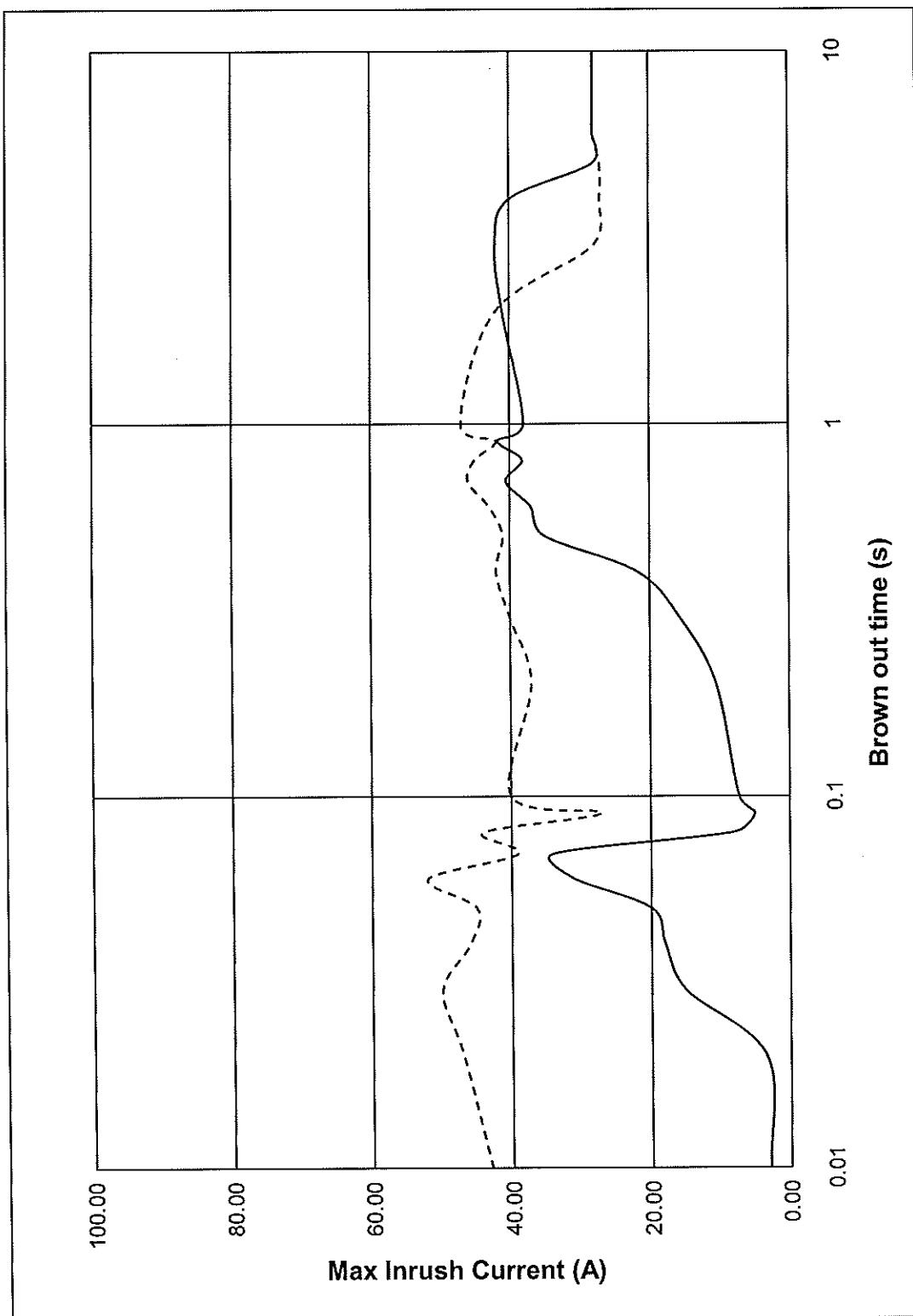
Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C



**2.10 Inrush current characteristics
during line brown outs**

Conditions: Vin: 100Vac
Vout: 100%
Iout: 0% -----
Iout: 100% —————
Ta = 25°C

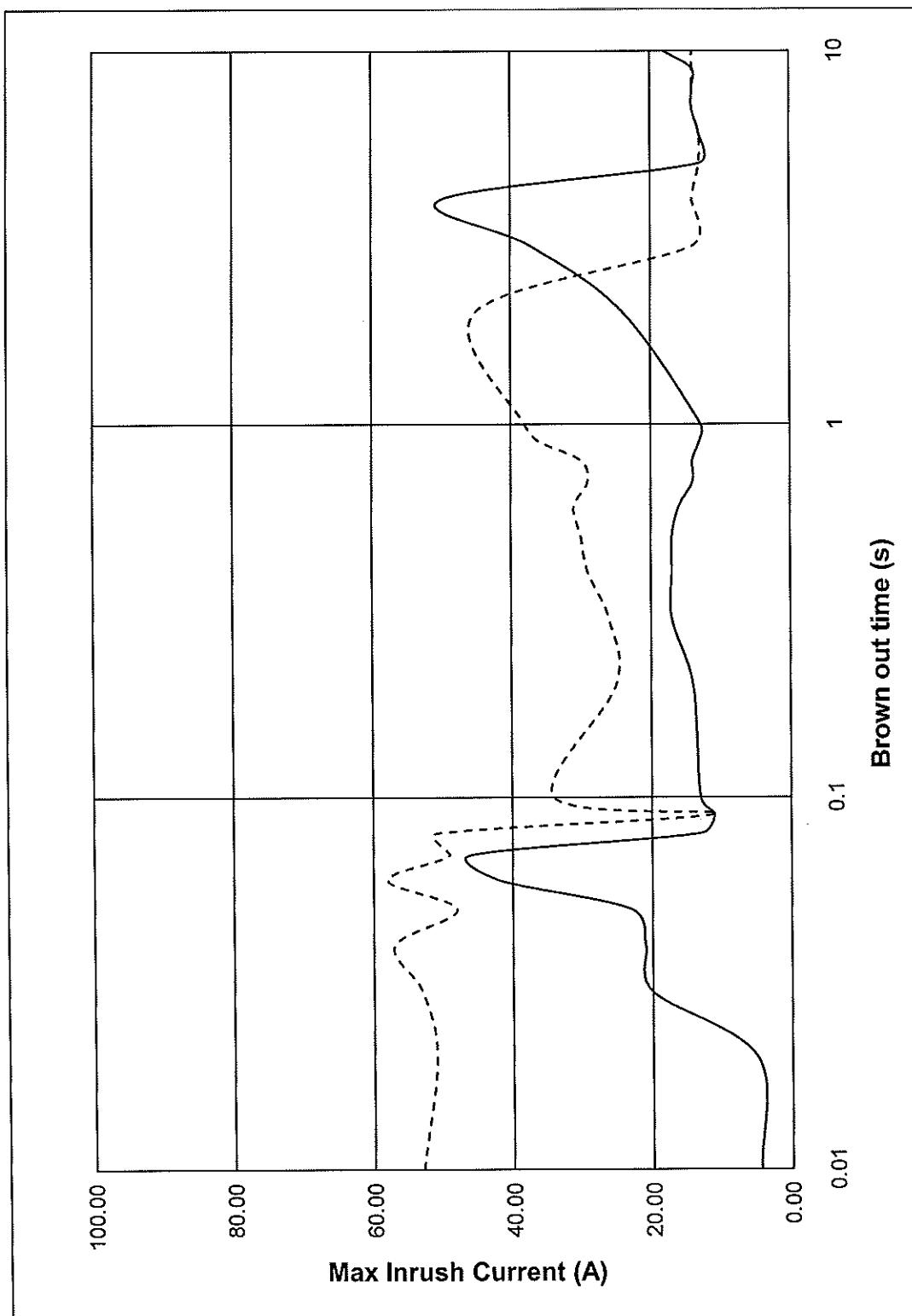
Z10-72



**2.10 Inrush current characteristics
during line brown outs**

Conditions: Vin: 200Vac
Vout: 100%
Iout: 0% -----
Iout: 100% ———
Ta = 25°C

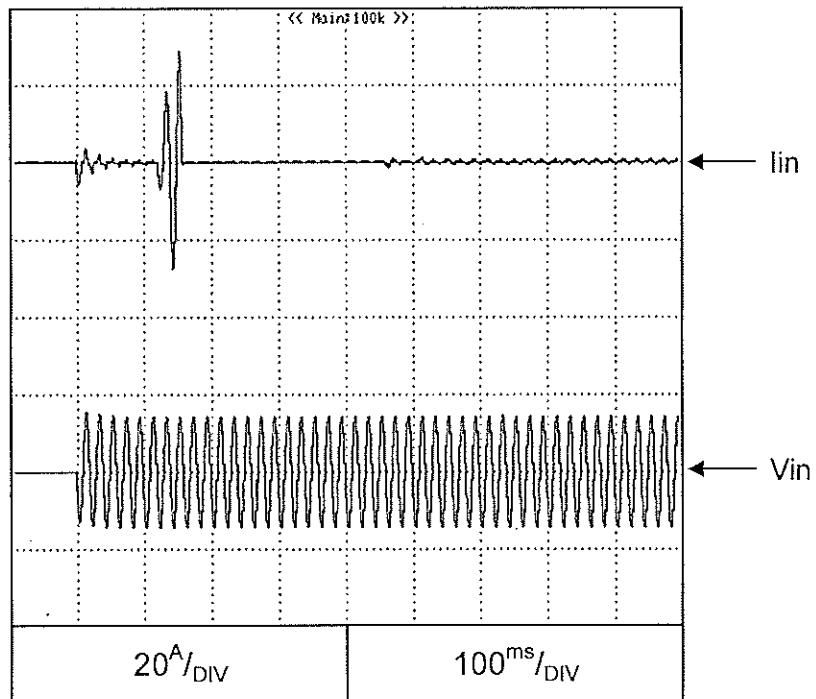
Z10-72



2.11 Inrush current waveform

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

Z10-72

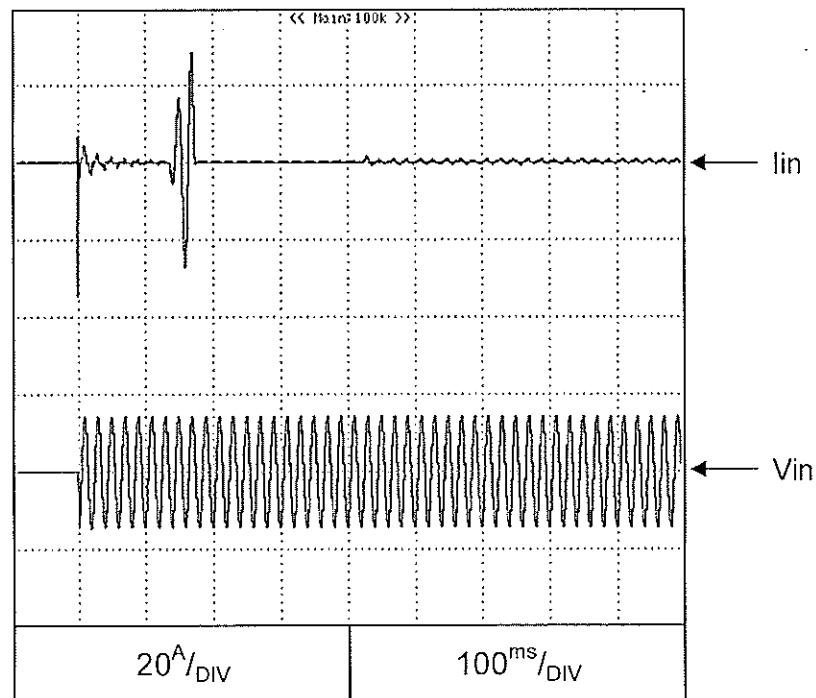


Switch on phase angle
of input AC voltage

$$\Phi = 0^\circ$$

Switch on phase angle
of input AC voltage

$$\Phi = 90^\circ$$



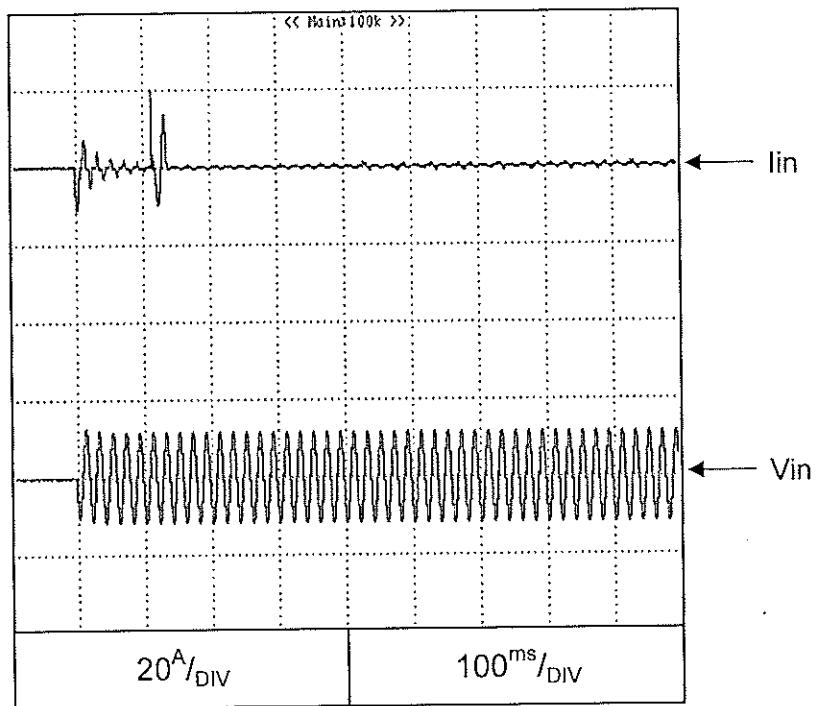
2.11 Inrush current waveform

Conditions: Vin: 200Vac
Vout: 100%
Iout: 100%
Ta = 25°C

Z10-72

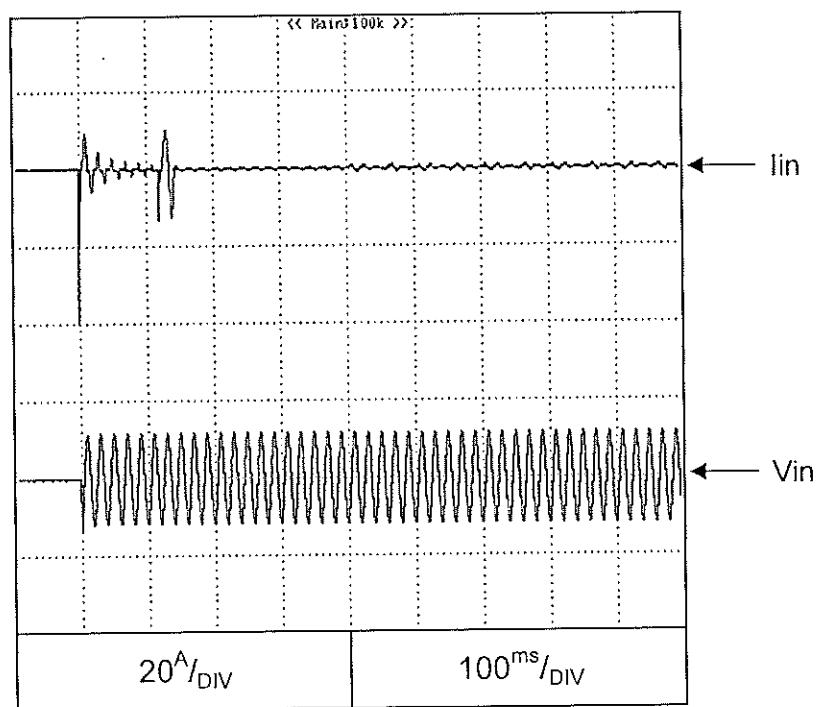
Switch on phase angle
of input AC voltage

$$\Phi = 0^\circ$$



Switch on phase angle
of input AC voltage

$$\Phi = 90^\circ$$



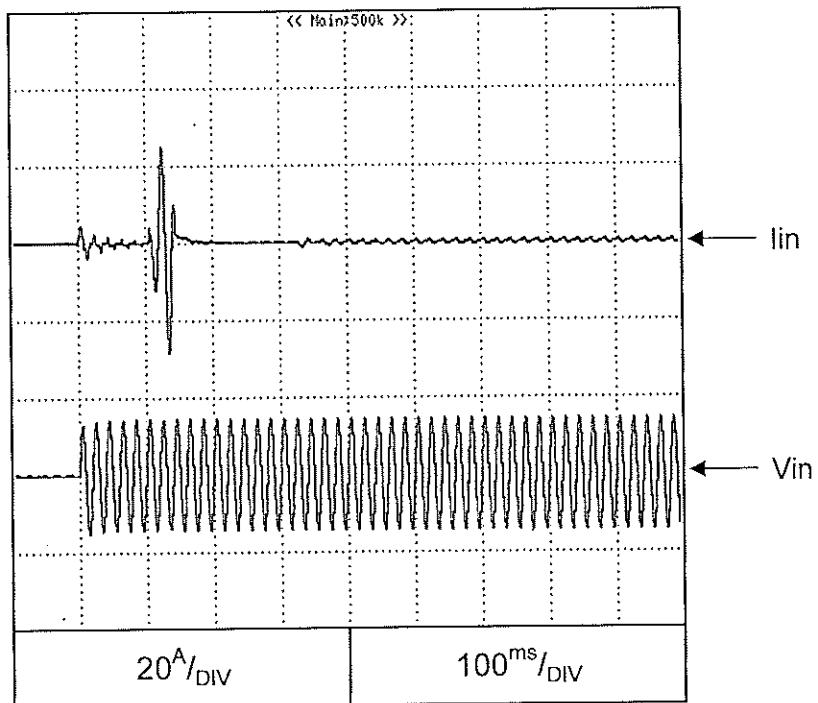
2.11 Inrush current waveform

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

Z100-8

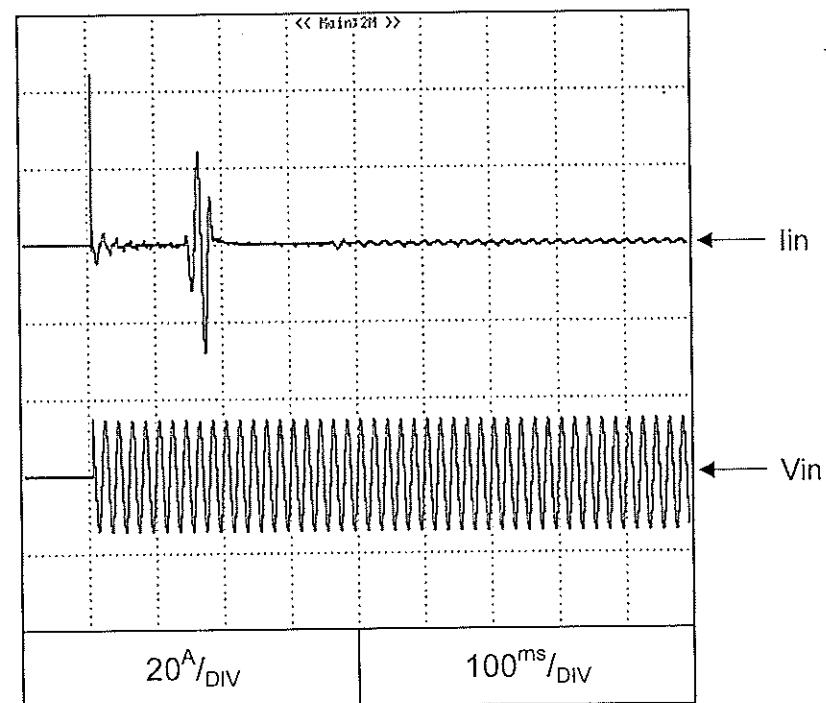
Switch on phase angle
of input AC voltage

$$\Phi = 0^\circ$$



Switch on phase angle
of input AC voltage

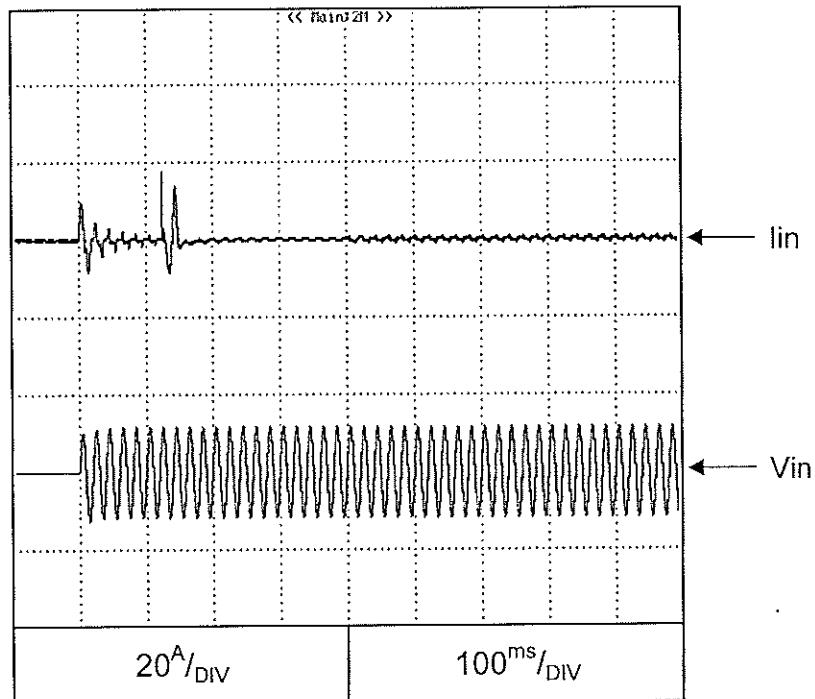
$$\Phi = 90^\circ$$



2.11 Inrush current waveform

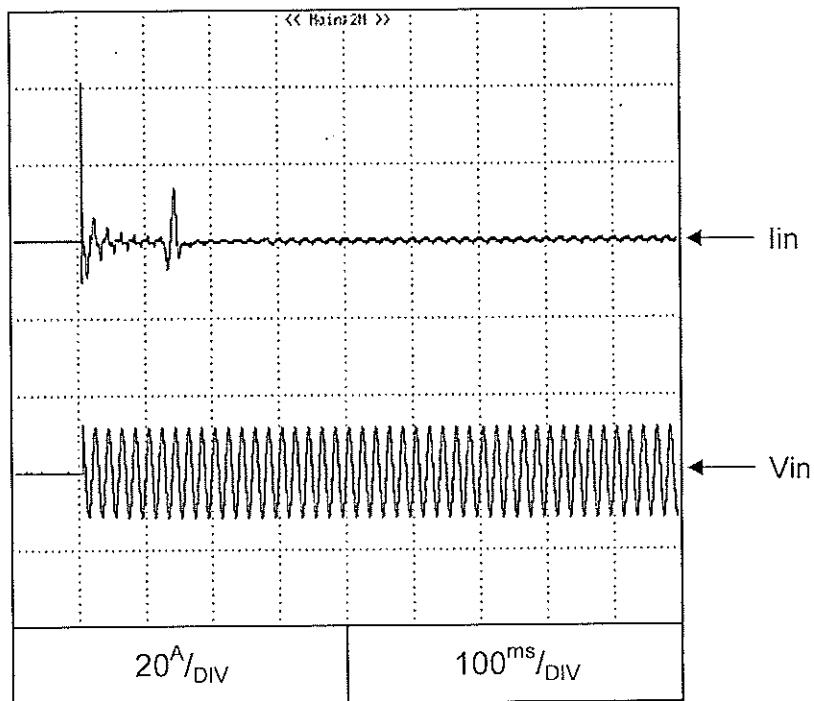
Conditions: Vin: 200Vac
Vout: 100%
Iout: 100%
Ta = 25°C

Z100-8



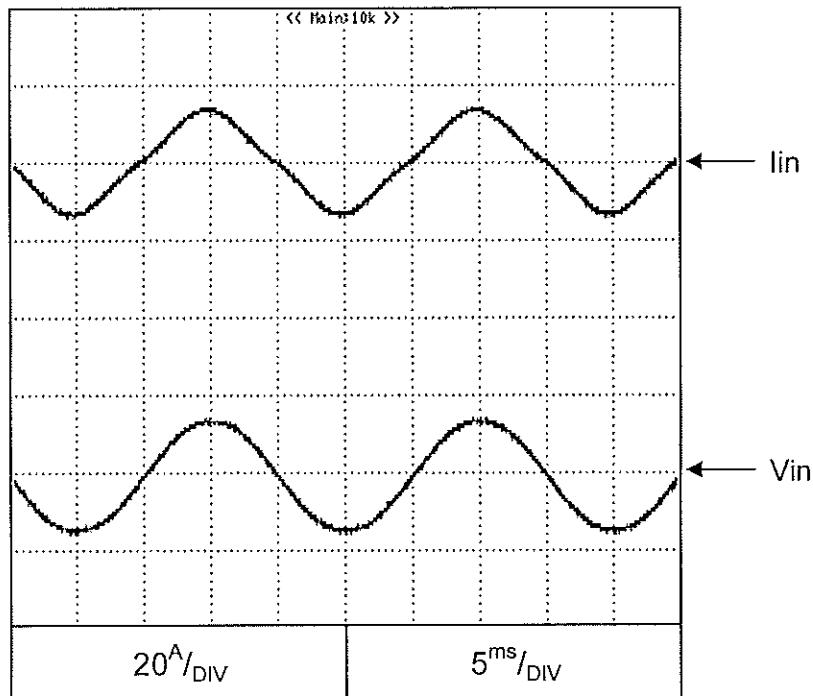
Switch on phase angle
of input AC voltage

$\Phi = 90^\circ$

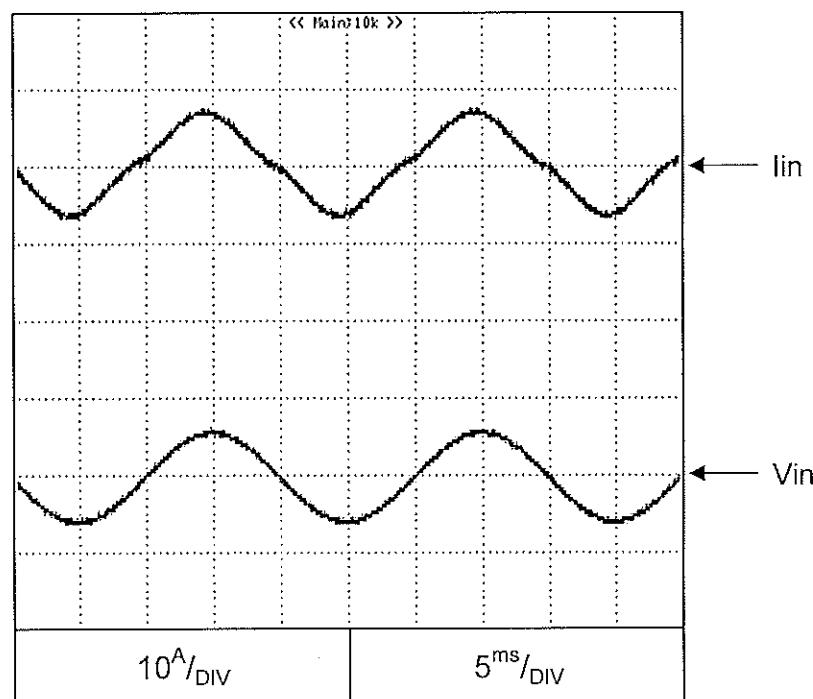


2.12 Input current waveform

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

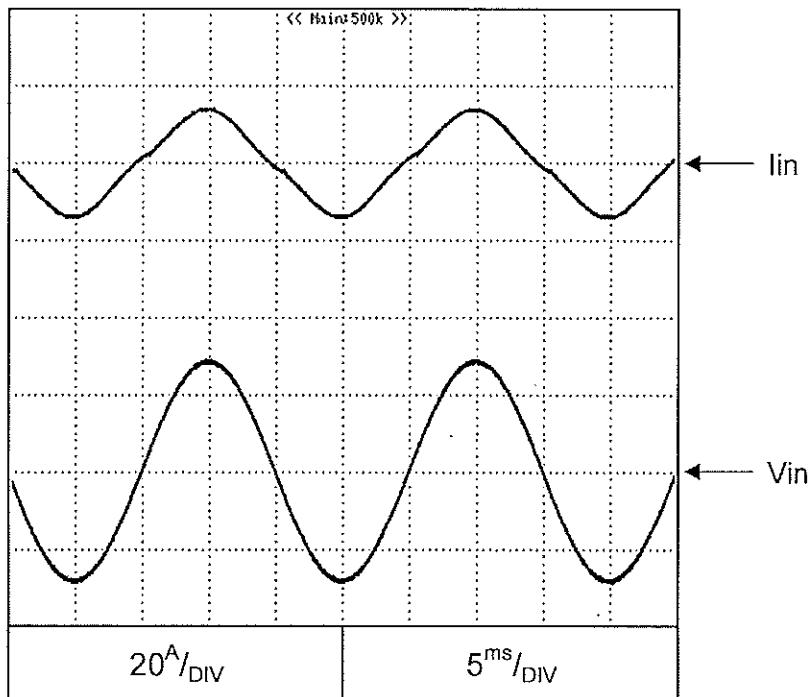
Z10-72

Conditions: Vin: 200Vac
Vout: 100%
Iout: 100%
Ta = 25°C

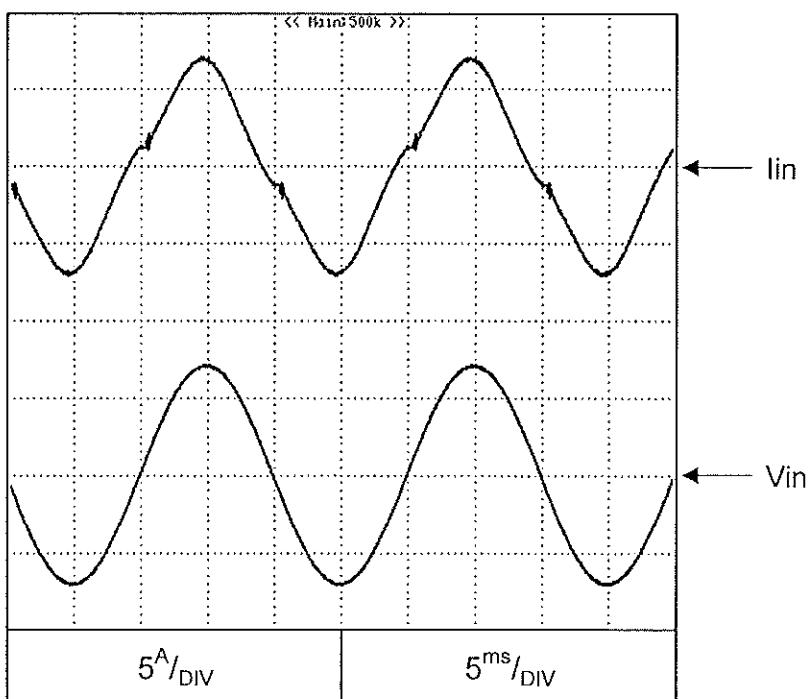


2.12 Input current waveform

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

Z100-8

Conditions: Vin: 200Vac
Vout: 100%
Iout: 100%
Ta = 25°C



2.13 Leakage current characteristics

Conditions: Vin: 100~265Vac

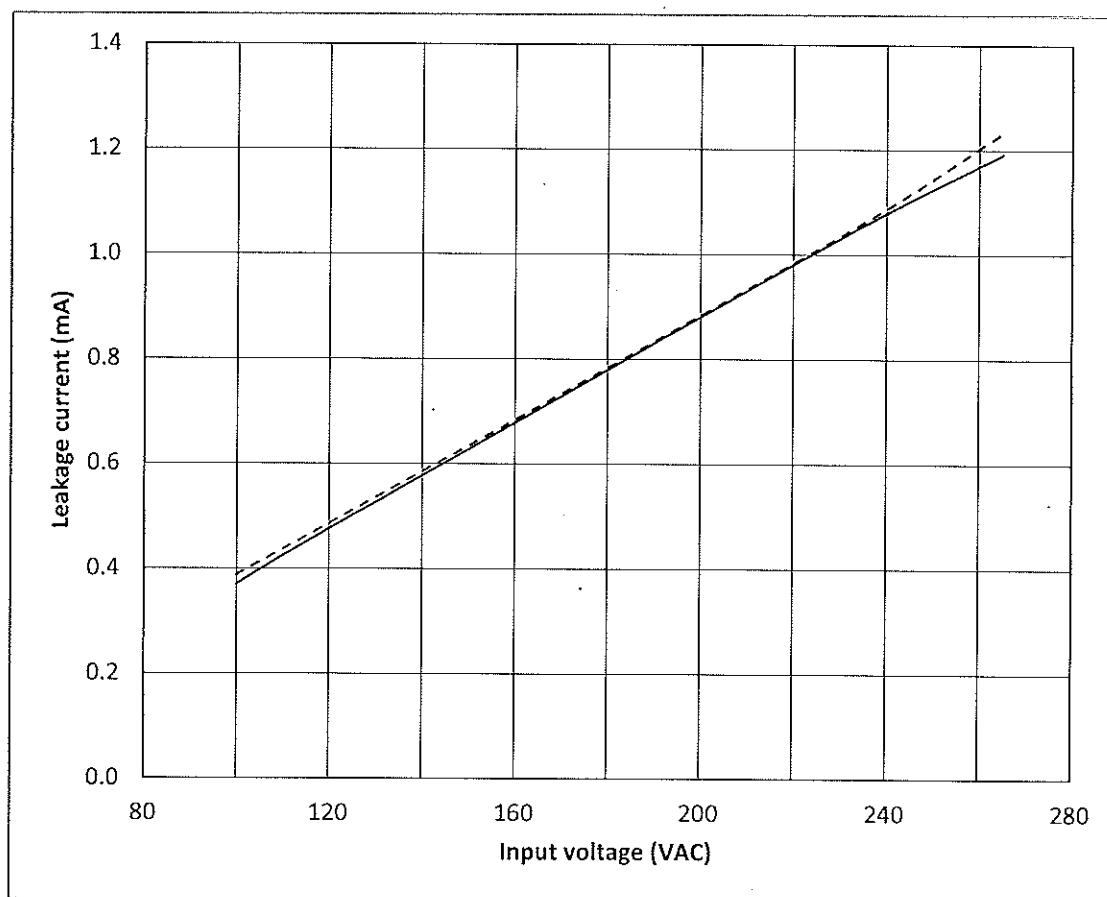
Iout: 0% -----

Iout: 100% —————

Ta = 25°C

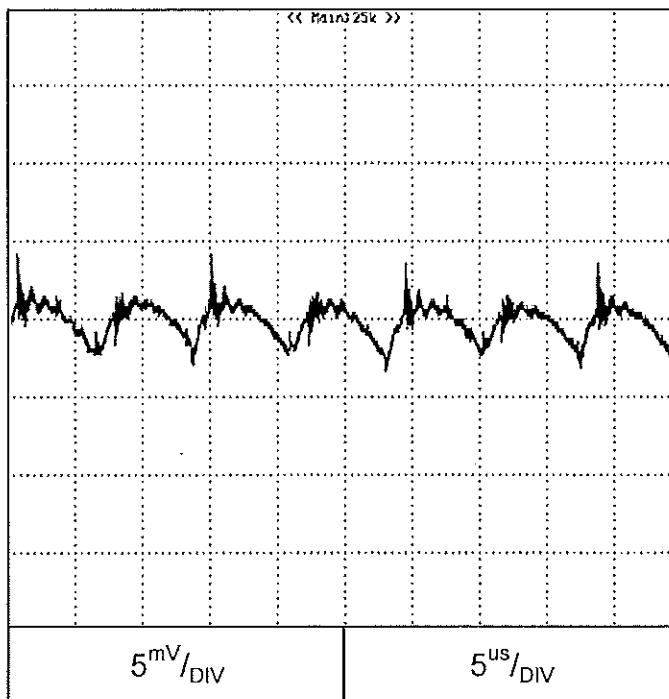
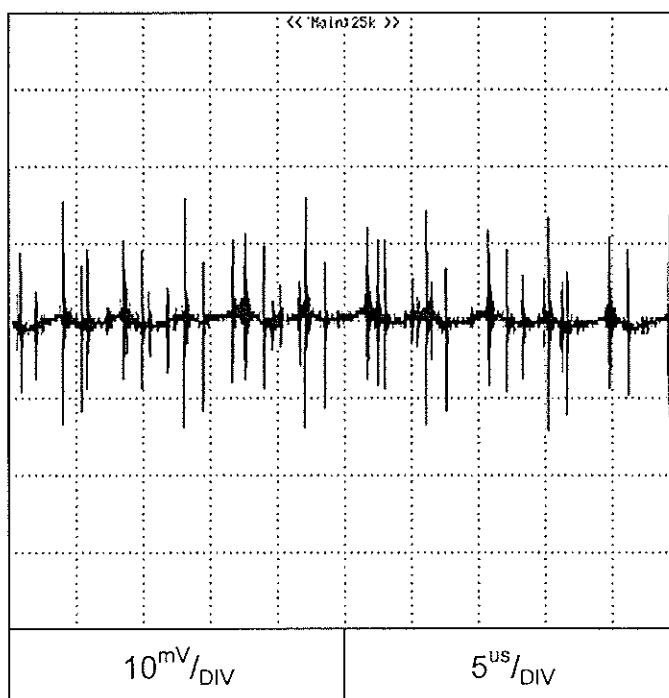
f=50Hz

Z100-8



2.14 Output voltage ripple and noise waveform

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

C.V modeNormal Mode**Z10-72****Z36-24**

2.14 Output voltage ripple and noise waveform

Conditions: Vin: 100Vac
Vout: 100%
Iout: 100%
Ta = 25°C

C.V mode

Normal Mode

Z100-8

