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EXTRA TEST DATA OF AEA600F-36

Regulated DC Power Supply
Nov, 20, 2022
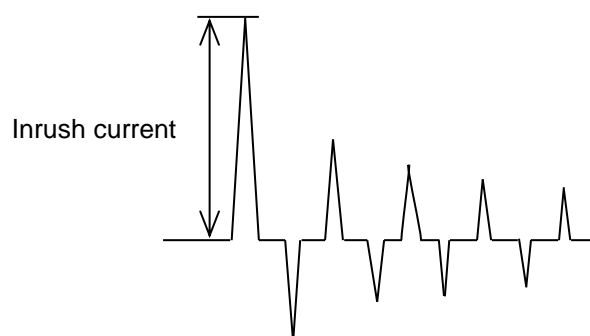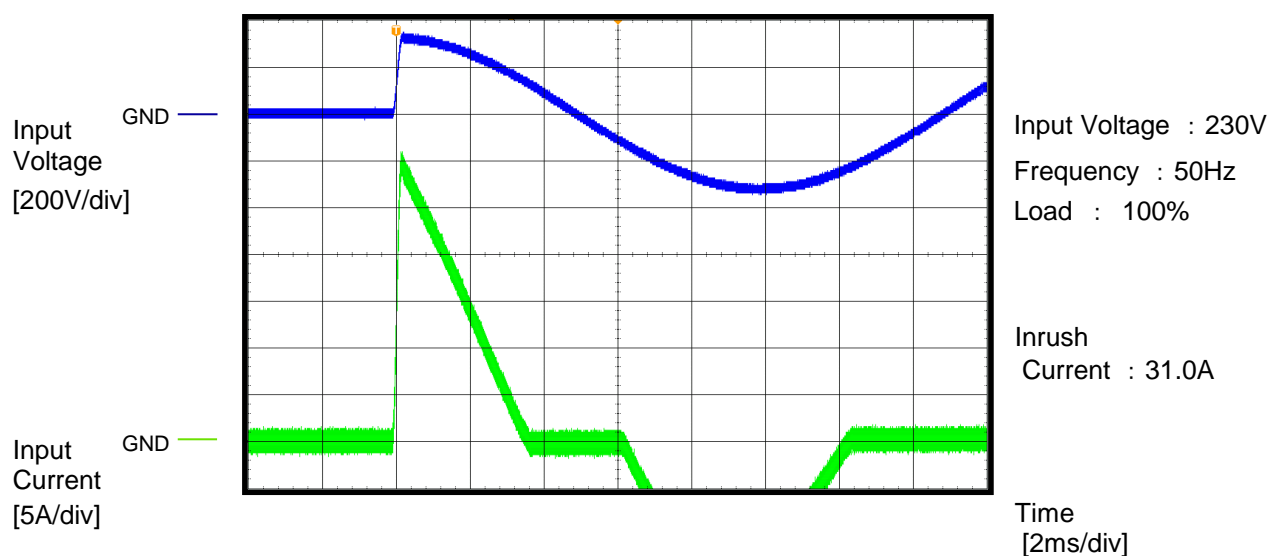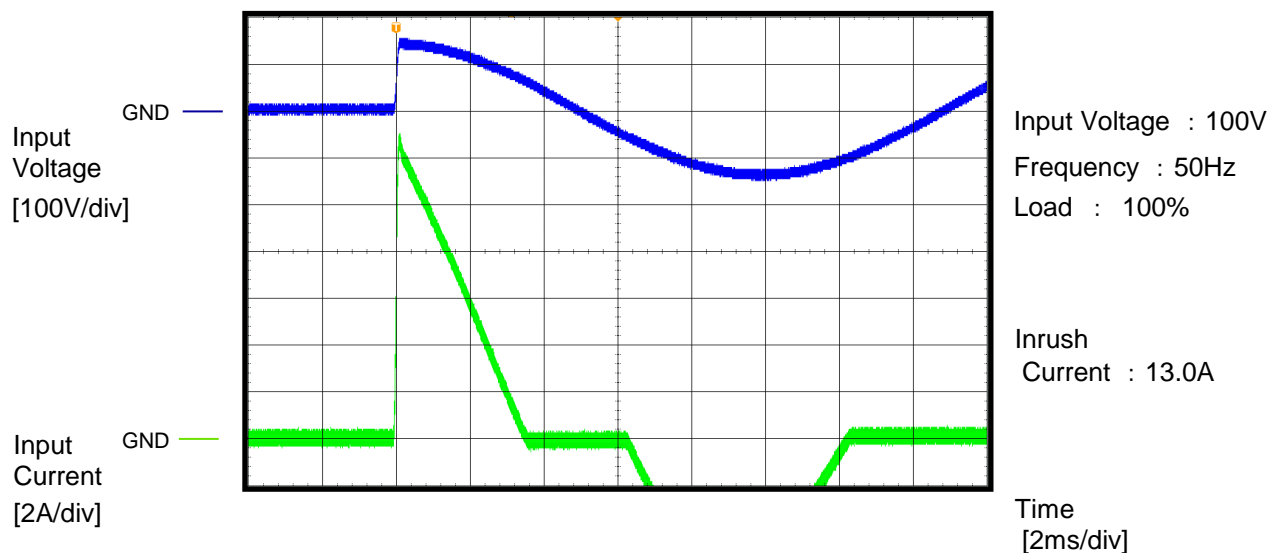
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Model	AEA600F-36
Item	Inrush Current (enlargement)
Object	————————

Temperature   25°C
Testing Circuitry   A

Input Voltage [100V/div]

GND —

Input Current [2A/div]

GND —

Input Voltage : 100V
Frequency : 50Hz
Load : 100%

Inrush Current : 13.0A

Time [2ms/div]

Input Voltage [200V/div]

GND —

Input Current [5A/div]

GND —

Input Voltage : 230V
Frequency : 50Hz
Load : 100%

Inrush Current : 31.0A

Time [2ms/div]

Inrush current

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Model	AEA600F-36
Item	Dynamic Line Regulation
Object	————————

Temperature   25°C
Testing Circuitry   A

Input Voltage :
100V ⇔ 230V

Frequency : 50Hz

Load : 100%

Input Voltage [200V/div]

GND —

Output Voltage [100mV/div]

GND —

Time [400ms/div]

Input Voltage :
230V ⇔ 100V

Frequency : 50Hz

Load : 100%

Input Voltage [200V/div]

GND —

Output Voltage [100mV/div]

GND —

Time [400ms/div]

Voltage swell

Input Voltage

Output Voltage

Voltage dip

Input Voltage

Output Voltage

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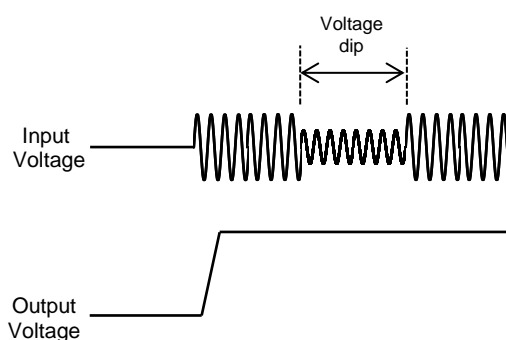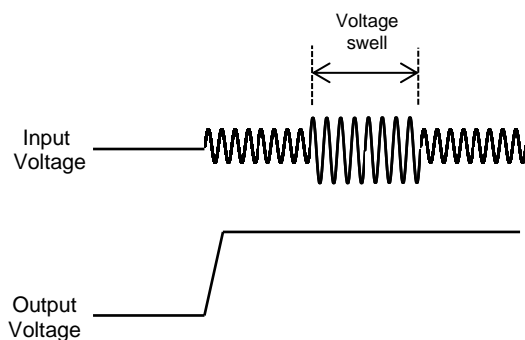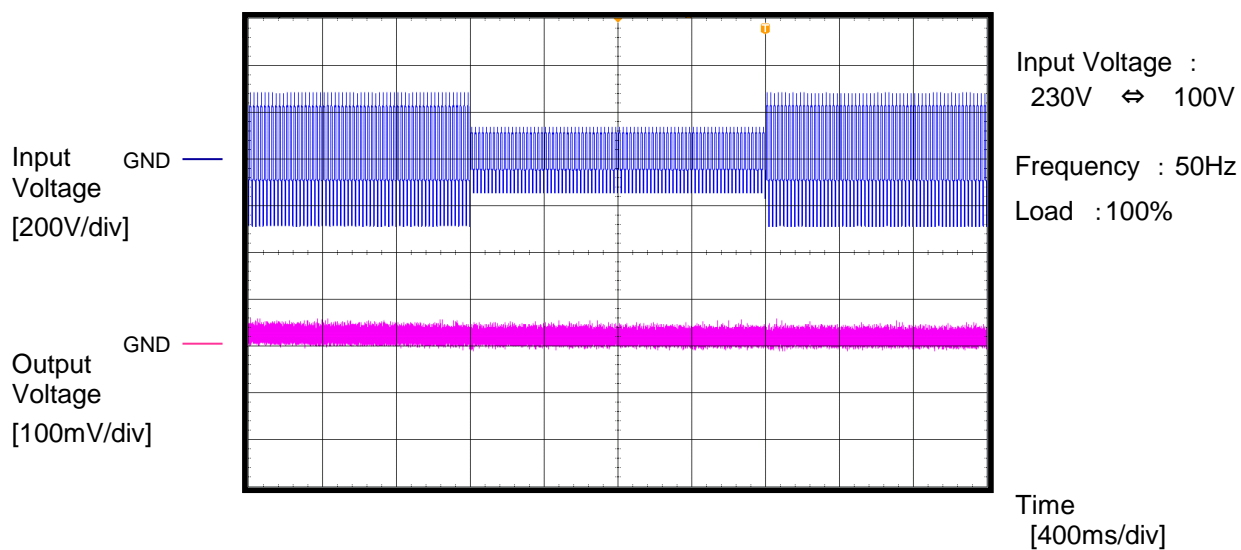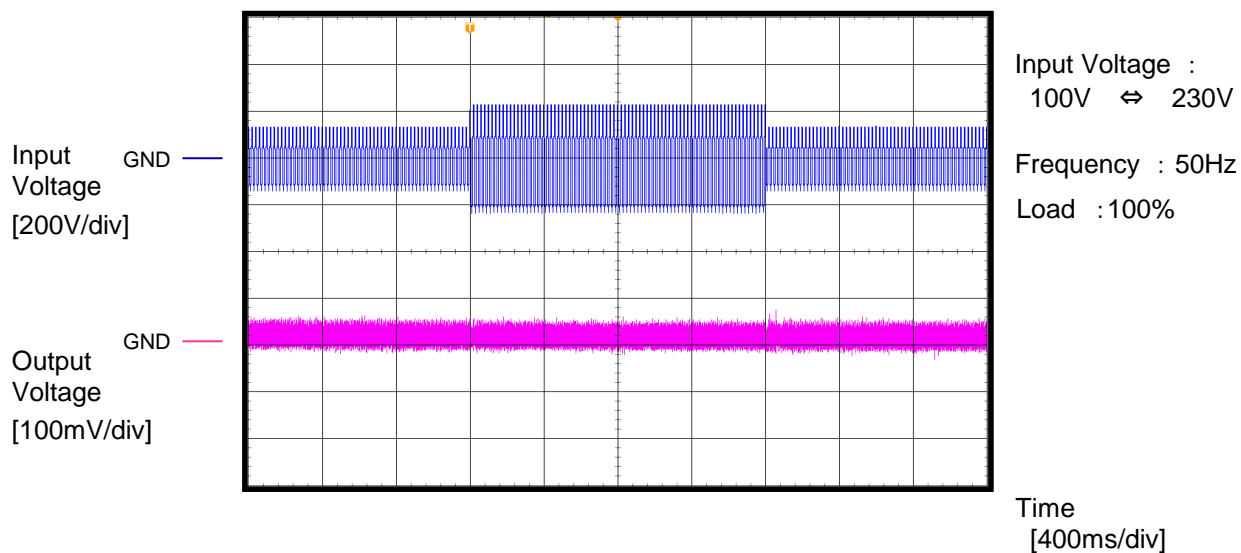
Model	AEA600F-36
Item	Hiccup cycle (by Overcurrent Protection)
Object	————————

Temperature　　25°C
Testing Circuitry　A

Load ： Short

Output
Current
[10A/div]

GND ——
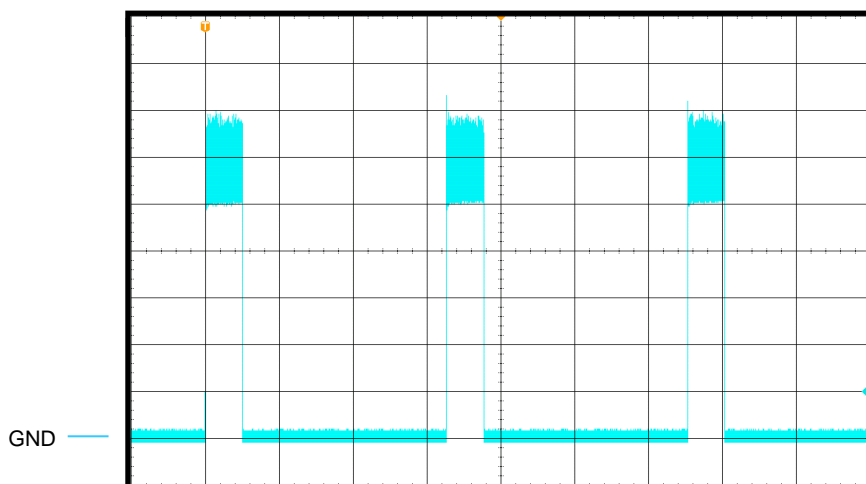
Input Voltage ： 100V

Short-circuit
current ： 73.2A

ON Time ： 202ms

Hiccup mode
time ： 1306ms

Time
[400ms/div]

Output
Current
[10A/div]

GND ——
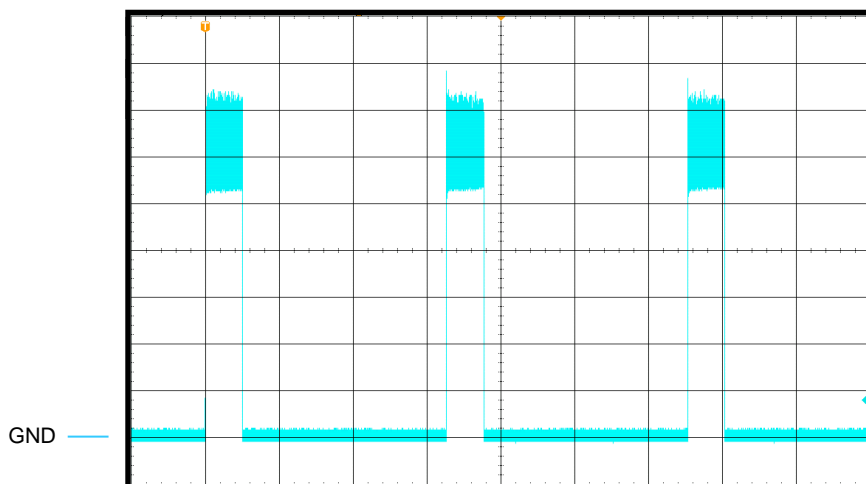
Input Voltage ： 230V

Short-circuit
current ： 78.8A

ON Time ： 202ms

Hiccup mode
time ： 1306ms

Time
[400ms/div]

Short-circuit
current

ON Time

Hiccup mode
period

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Model	AEA600F-36
Item	Input voltage - Power consumption
Object	————————

Temperature 25°C
Testing Circuitry -

Load : 0%

1.Graph

Power consumption[W] vs Input Voltage [V]

Reducing standby power is possible by OFF signal of the remote control.

2.Values

Input voltage [V]	Power consumption [W]
85	4.09
100	3.21
115	3.63
200	3.28
230	3.20
264	3.24

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Figure A

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